

ORDINANCE NO. _____

An ordinance amending Chapter IX of the Los Angeles Municipal Code to incorporate by reference certain portions of the 2025 Edition of the California Building Standards Code and to carry forward existing local administrative, climatic, geological, topographical, or environmental changes.

WHEREAS, California Health and Safety Code Sections 17958.5 and 17958.7 authorize the City Council to make reasonably necessary changes or modifications to the provisions of the California Building Standards Code (Title 24, California Code of Regulations) upon finding these changes are reasonably necessary due to local administrative, climatic, geological, topographical, or environmental conditions;

WHEREAS, the City of Los Angeles has several earthquake faults which run under and adjacent to the City;

WHEREAS, seismic experts predict a massive earthquake on one of these faults within the next 30 years and several earthquakes similar in intensity to the 1994 Northridge Earthquake (6.8 magnitude) during the same period;

WHEREAS, massive earthquakes pose unusual and extraordinary stresses on buildings and structures requiring more stringent building regulations than would otherwise be required;

WHEREAS, in 1999, large pockets of methane gas in the subsurface geological formation were discovered in various areas of the City of Los Angeles;

WHEREAS, the City of Los Angeles has topographic conditions, natural and man-made, such as the natural hills, mountains and the coastal region, as well as the man-made harbors and highly concentrated areas of high-rise buildings;

WHEREAS, the City of Los Angeles has flat land and hillside areas that create a natural basin with high strong winds which contribute to the spread of fires;

WHEREAS, in the highly concentrated area of high-rise buildings, traffic congestion and possible gridlock may jeopardize the quick response to fires by the Fire Department;

WHEREAS, the City of Los Angeles has climatic conditions, which subject it to a mild winter, an extremely hot desert-like summer, and hot, dry (Santa Ana) winds that make the temperature rise and the humidity drop, increasing the fire danger to all, exposed combustible materials;

WHEREAS, in support of the following modifications and changes, the City Council hereby expressly finds that the following amendments and modifications to the

California Building Standards Code are reasonably necessary due to local administrative, climatic, geological or topographical conditions;

WHEREAS, the changes or modifications herein are substantially equivalent to the changes or modifications that were previously filed by the City and in effect as of September 30, 2025 as authorized by Health and Safety Code Section 17958;

WHEREAS, Health and Safety Code Section 17958(b) provides that commencing October 1, 2025, to June 1, 2031, inclusive, a city or county shall not make changes that are applicable to residential units in the provisions adopted pursuant to Section 17922 and published in the California Building Standards Code or the other regulations thereafter adopted pursuant to Section 17922 to amend, add, or repeal ordinances or regulations which impose the same requirements as are contained in the provisions adopted pursuant to Section 17922 and published in the California Building Standards Code or the other regulations adopted pursuant to Section 17922 or make changes or modifications in those requirements upon express findings pursuant to Sections 17958.5 and 17958.7, unless certain conditions are met;

WHEREAS, one of those conditions is that the changes or modifications are substantially equivalent to changes or modifications that were previously filed by the governing body of the city or county and were in effect as of September 30, 2025;

WHEREAS, each of the following changes, modifications, or amendments clarifies, readopts, or deletes previously adopted amendments to the California Building Standards Code; and

WHEREAS, each of the following modifications are thus substantially equivalent to changes or modifications that were previously filed by the governing body of the City and were in effect as of September 30, 2025.

NOW, THEREFORE,

**THE PEOPLE OF THE CITY OF LOS ANGELES
DO ORDAIN AS FOLLOWS:**

Section 1. The title and table of contents of Article 1, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

**ARTICLE 1
AMENDMENTS TO THE CALIFORNIA BUILDING STANDARDS CODE
[BUILDING CODE]**

Division.

1. Administration
2. Definitions

3. Occupancy Classification and Use
4. Special Detailed Requirements Based on Occupancy and Use
5. General Building Heights and Areas
6. Types of Construction
7. Fire and Smoke Protection Features
- 7A. Materials and Construction Methods for Exterior Wildfire Exposure
8. Interior Finishes
9. Fire Protection and Life Safety Systems
10. Means of Egress
11. Accessibility
12. Interior Environment
13. Energy Efficiency
14. Exterior Walls
15. Roof Assemblies and Rooftop Structures
16. Structural Design
17. Special Inspections and Tests
18. Soils and Foundations
19. Concrete
20. Aluminum
21. Masonry
22. Steel
23. Wood
24. Glass and Glazing
25. Gypsum Panel Products and Plaster Plaster
26. Plastic
27. Electrical Systems
28. Mechanical Systems
29. Plumbing Systems
30. Elevators and Conveying Systems
31. Special Construction
32. Encroachments into the Public Right-of-Way

- 33. Safeguards During Construction
- 35. Referenced Standards
- 61. Special Hazard Areas
- 62. Signs
- 63. Additional Provisions for Specific Uses
- 67. Security Provisions
- 70. Grading, Excavations and Fills
- 71. Methane Seepage Regulations
- 72. Fire District Regulations
- 81. Existing Buildings and Structures – General Requirements
- 82. Change of Occupancy, Use and Rating Classification
- 83. Relocation Permit
- 85. Alternative Building Standards for Joint Living and Work Quarters
- 86. Special Provisions for Existing Buildings
- 88. Earthquake Hazard Reduction in Existing Buildings
- 89. Abatement of Buildings, Structures, Premises and Portions Thereof Which
Constitute a Nuisance or Are Hazardous, or Substandard
- 90. Nuisance Abatement and Discontinuance of Land Use and Discretionary
Zoning Approvals; Relocation Assistance; Enforcement
- 91. Earthquake Hazard Reduction in Existing Tilt-up Concrete Wall Buildings
- 92. Voluntary – Earthquake Hazard Reduction in Existing Wood Frame
Residential Buildings with Weak Cripple Walls and Unbolted Sill Plates
- 93. Mandatory Earthquake Hazard Reduction in Existing Wood-Frame
Buildings with Soft, Weak or Open-Front Walls
- 94. Voluntary – Earthquake Hazard Reduction in Existing Hillside Buildings
- 95. Mandatory Earthquake Hazard Reduction in Existing Non-Ductile
Concrete Buildings
- 96. Voluntary – Earthquake Hazard Reduction in Existing Reinforced
Concrete and Reinforced Masonry Wall Buildings with Flexible
Diaphragms
- 97. Existing Buildings Energy and Water Efficiency Program

Sec. 2. Subsection 91.101.1 of Section 91.101, Division 1, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.101.1. Title. This article shall be known as the Los Angeles Building Code or Building Code or LABC, a portion of the Los Angeles Municipal Code (LAMC), and wherever the word Code is used in this article, it shall mean the Los Angeles Building Code. Sections of Article 1.5 of Chapter IX of the LAMC shall collectively be known as the Los Angeles Residential Code or LARC. The provisions of the LARC for one- and two-family dwellings shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal and demolition of detached one-family and two-family dwellings and townhouses not more than three stories above grade plane in height with a separate means of egress and their accessory structures not more than three stories above grade plane in height. In addition to the LARC, appropriate sections of Chapters 1, 11A, 11B, 12, 17, 31, 31B, 33, 63, 67, 70, 71, 72, 81, 89, 92, 93 and 96 of the LABC shall also be applicable to one- and two-family dwellings and townhouses unless stated otherwise.

The Los Angeles Building Code and the Los Angeles Residential Code adopt by indicated reference portions of the 2025 California Building Code (CBC) and the 2025 California Residential Code (CRC), respectively. The CBC and the CRC are Parts 2 and 2.5, respectively of Title 24 of the California Code of Regulations (CCR).

EXCEPTION: Live/work units complying with the requirements of CBC Section 508.5 shall be permitted to be built as one- and two-family dwellings or townhouses.

Sec. 3. A new Subsection 91.101.6 is added to Section 91.101, Division 1, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.101.6. Wildland-urban interface. The provisions of Part 7 of Title 24, the California Wildland-Urban Interface Code as amended in Article 7.1 of Chapter V of the LAMC shall apply to buildings and structures built in the wildland-urban interface (WUI) or a Fire Hazard Severity Zone.

Sec. 4. Subsection 91.104.2.6 of Section 91.104, Division 1, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.104.2.6. Alternate Materials, Alternate Design and Methods of Construction. New or alternate materials and methods of construction may be approved by the Department as provided by CBC Section 104.2.3 and LAMC Section 98.0501.

Sec. 5. Subsection 91.105.5.5.5 of Section 91.105, Division 1, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.105.5.5.5. Time Limits. The rights and privileges granted by the commission pursuant to any decision, determination, approval, appeal or exception shall be void if all required building permits are not secured within one year of the effective date of such action, or if the permit expires under any of the conditions specified in Section 98.0602 of the Los Angeles Municipal Code.

However, the commission, and the superintendent acting on behalf of the commission, may grant extensions of time if the applicant submits in writing substantial evidence that unusual conditions or circumstances either precluded the securing of all required permits within the allocated time or caused the permit to expire as specified in Section 98.0602 of the Los Angeles Municipal Code.

Sec. 6. Subsection 91.106.2 of Section 91.106, Division 1, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.106.2. Work exempt from a permit. Exemptions from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of the City of Los Angeles. Permits shall not be required for the following:

1. Work regulated by this Code that is valued at \$2,500 or less, unless it impacts the structural stability of a building, affects public safety, is performed to comply with a Department order, or involves a change in the use or occupancy.
2. Flag poles and towers not erected upon a building and not more than 15 feet high. Radio and television antennae towers which do not exceed 45 feet in height or light standards which do not exceed 30 feet in height.
3. Construction sheds, state approved construction trailers without toilet facilities and sidewalk protection barriers and canopies built pursuant to Division 33, Article 1, Chapter IX of the LAMC.
4. Sandblasting, liquid washing, compressed air cleaning, steam cleaning of buildings outside of Fire District No. 1 and also those exterior surfaces of buildings which are located more than 20 feet from pedestrian walkways in dedicated streets. Painting, papering and similar work, provided, however, that the values thereof shall be included as part of the value of any new construction for which a permit is required by this Code, for the purpose of determining the amount of the fee to be paid for the permit; and provided further that this exception does not include operations such as liquid washing, compressed air cleaning and steam cleaning on the exterior surfaces of buildings adjacent and within 20 feet of pedestrian walkways in dedicated streets where these operations extend above the first story.
5. Platforms, walks and driveways not more than 30 inches (762 mm) above grade and not over any basement or story below.

6. Exhibits, booths, partitions and display counters for temporary use not exceeding 30 days in conjunction with an exhibit or show and not exceeding 12 feet in height above the floor.

7. Outdoor tents or cloth structures for temporary use not exceeding 30 days and not exceeding 12 feet in any dimension, provided such tents are accessory to an indoor or outdoor assembly use on the site.

8. Swimming, bathing, and wading pools not exceeding 24 inches in depth and having a surface area not exceeding 250 square feet.

9. Canopies or awnings located outside of Fire District No. 1 extending not more than 4 feet from the exterior wall of the building and attached to Group R Occupancies.

10. Impact hazard glazing pursuant to LAMC Section 91.6101.

11. Work performed by Certified Licensed Contractors in accordance with LAMC Subdivision 91.108.12.1.

12. Any work accomplished under the auspices of and owned and controlled by the United States of America, by the State of California or the Los Angeles County.

13. Masonry or concrete fences not over 3-1/2 feet high, and other fences, other than swimming pool barriers, not over 10 feet high.

14. Tanks for the storage of combustible liquids, if resting upon the surface of the ground and surrounded by an impounding basin conforming to the requirements of Article 7 of Chapter V of the Los Angeles Municipal Code (Fire Code).

15. Cases, counters and partitions, not over 5 feet 9 inches high.

16. Waterproof pointing of joints in masonry or veneer, also cleaning with detergents which are not injurious to clothing or skin of persons and are not removed by liquid washing, provided work is done from safely enclosed scaffolding which will collect any dust, debris or dropped tools and materials in use.

17. Retaining walls in accordance with LAMC 101.5 item 4.

Sec. 7. A new Subsection 91.106.3.3.3.2 is added to Section 91.106, Division 1, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.106.3.3.3.2. Standard Plans. At its own discretion, the Department may approve a set of plans for a building or structure as a Standard Plan, provided that the applicant submits a proper application, includes complete sets of plans as required by this section, and pays the plan check fee as specified in LAMC Subsection 91.107.3.1. The plans must comply with the laws and ordinances in effect at the time a permit is issued and shall expire in accordance with LAMC Section 98.0603.

Sec. 8. Subsection 91.106.4.4.3 of Section 91.106, Division 1, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.106.4.4.3. Unfinished Buildings or Structures. Whenever the Department determines by inspection that work on any building or structure for which a permit has been issued and the work started thereon has been suspended for a period of 12 months or more, the owner of the property upon which such structure is located, or other person or agent in control of said property, upon receipt of notice in writing from the Department to do so, shall, within 90 days from the date of such written notice, obtain a new permit to complete the required work and diligently pursue the work to completion, or shall remove or demolish the building or structure within 180 days from the date of the written notice.

Sec. 9. Subsection 91.107.2.2 of Section 91.107, Division 1, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.107.2.2. Combined Building-Mechanical Permit. A combined building-mechanical permit shall be issued, provided a fee is paid. The permit fee shall be as determined by using Table 1-A.1 of this division. A combined building-mechanical permit shall entitle the permittee to the inspection of all building, electrical, plumbing, heating, ventilating, and air conditioning work for the following:

1. New construction or any work necessary and in conjunction with alterations, additions or demolitions to the following:

- a. A one-family or two-family dwelling.
- b. Detached buildings accessory to a one- or two-family dwelling.
- c. A one-family dwelling with an attached accessory dwelling unit (ADU).

EXCEPTION: A combined permit shall also be allowed for a two-family dwelling with an attached ADU in conjunction with alterations, additions or demolitions only.

- d. A detached ADU building (with up to two ADUs) when accessory to a one- or two- family dwelling.

e. A detached ADU building (with up to two ADUs) when accessory to an apartment building, provided that such detached ADU building does not contain any other accessory uses to the apartment building.

EXCEPTION: Separate mechanical, electrical, plumbing and fire sprinkler permits are required for service feed connections.

In the event that work in one or more of the mechanical trades is not required, the applicable fee(s) shall not be collected.

2. A pool accessory to a one- or two-family dwelling, except pools that are exempt from a building permit but may require a permit for electrical, plumbing, and heating work, a combined building-mechanical permit shall be issued, provided a fee is paid. The fee shall be 75% of the fee determined from Table 1-A of this division.

3. A complete solar heating and/or cooling system installation appurtenant to and used exclusively by a one- or two-family dwelling; or an individual dwelling unit, individual accessory dwelling unit, or an efficiency dwelling unit in an apartment house, apartment-hotel or hotel; or a pool accessory to a one-family dwelling.

Sec. 10. The title of Division 2, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

DIVISION 2 DEFINITIONS

Sec. 11. Section 91.202 of Division 2, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in entirety to read as follows:

SEC. 91.202. DEFINITIONS.

Section 202 of the CBC is adopted by reference, except that the following CBC definitions are not adopted:

APPROVED FABRICATOR

BUILDING OFFICIAL

DEPARTMENT

REGISTERED DESIGN PROFESSIONAL

The following definitions are also adopted:

APPROVED FABRICATOR. An established and qualified person, firm or

corporation approved by the Superintendent of Building pursuant to Division 17 of this Code and LAMC Section 96.200.

BOARD is the Board of Building and Safety Commissioners of the City of Los Angeles.

BUILDING CODE (CODE) is the Los Angeles City Building Code, Article 1 of Chapter IX of the Los Angeles Municipal Code.

BUILDING LINE is any private property line coterminous with a public way; or a building line established by City ordinance.

BUILDING OFFICIAL is the Superintendent of Building for the City of Los Angeles Department of Building and Safety.

CALIFORNIA BUILDING CODE (CBC). Is Part 2, Title 24 of the California Code of Regulations as adopted by the California Building Standards Commission.

CITY is the City of Los Angeles, California.

CONCRETE BUILDING is a building having concrete floors and/or roofs, either with or without beams, supported by concrete walls and/or concrete columns, with or without masonry infills, and any combination thereof.

DEPARTMENT is the Department of Building and Safety.

ELECTRICAL CODE is the Los Angeles City Electrical Code, Article 3 of Chapter IX of the Los Angeles Municipal Code.

ELEVATOR CODE is the Los Angeles City Elevator Code, Article 2 of Chapter IX of the Los Angeles Municipal Code.

FIRE CODE is the Los Angeles City Fire Code, Article 7 of Chapter V of the Los Angeles Municipal Code.

FIRE DISTRICT is any portion of the City of Los Angeles as described in Division 72 of this Code.

FOUNDATION-ONLY PERMIT is a building permit issued for that portion of a building, which constitutes the footings for the building and which, subject to the approval of the Department, may include those portions of the building below the grade level.

GRADING shall mean soil excavation or fill or any combination of soil excavation or fill and shall include the conditions resulting from any soil excavation or fill.

GRAFFITI shall mean any form of unauthorized inscription, word, figure or design which is marked, etched, scratched, drawn, sprayed, painted or otherwise affixed to or on any surface of public or private property, including, but not limited to buildings, walls, signs, structures or places, or other surfaces, regardless of the nature of the material of that structural component.

INDUSTRIAL CATERING TRUCK. An industrial catering truck is a motor vehicle used for the purpose of dispensing and selling liquids from sanitary dispensers and/or ready-to-eat food and beverages that have been prepared and sealed or packaged on premises so long as the owner and operator have a valid health permit authorizing the preparation of food. The above items may be prepared on any industrial catering truck so long as the owner and operator have a valid health permit for that preparation.

MECHANICAL CODE is the Los Angeles City Mechanical Code, Article 5 of Chapter IX of the Los Angeles Municipal Code.

NON-DUCTILE CONCRETE BUILDING. A concrete building that was built pursuant to a permit application for a new building submitted before January 13, 1976, or, if no permit can be located, is determined by the Department to have been built under building code standards enacted before January 13, 1976.

EXCEPTION: “Non-Ductile Concrete Building” shall not include detached single-family dwellings or duplexes.

PLUMBING CODE is the Los Angeles City Plumbing Code, Article 4, Chapter IX of the Los Angeles Municipal Code.

REGISTERED DESIGN PROFESSIONAL. A licensed architect or engineer registered with the appropriate California State licensing board.

STANDARD PLAN is a set of plans for a building or structure created and designed by the City or private architects and/or engineers to accommodate various site conditions. These plans can be utilized for various project sites throughout the City, provided they are reviewed and approved by the Department of Building and Safety. For privately owned Standard Plans, property owners interested in constructing a building or structure using a Standard Plan must contact the plan owner to purchase a copy and then apply for a building permit.

SUPERINTENDENT OF BUILDING is the General Manager of the Department of Building and Safety of the City of Los Angeles or a duly authorized representative.

TEMPORARY. Buildings and facilities intended for use at one location for not more than 180 days and seats intended for use at one location for not more than 90 days.

UNREINFORCED MASONRY BEARING WALL BUILDING is a building with at least one unreinforced masonry bearing wall as the term is defined in the California Existing Building Code, at Title 24 of the California Code of Regulations.

VERY HIGH FIRE HAZARD SEVERITY ZONE (VHFHSZ) is a Fire District in the City of Los Angeles established by the Board of Forestry and the Office of the State Fire Marshal and described in Division 72, Article 1 of Chapter IX of the Los Angeles Municipal Code.

Sec. 12. The title of Division 3, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

**DIVISION 3
OCCUPANCY CLASSIFICATION AND USE**

Sec. 13. The title of Division 4, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

**DIVISION 4
SPECIAL DETAILED REQUIREMENTS BASED ON OCCUPANCY AND USE**

Sec. 14. The title of Division 7, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

**DIVISION 7
FIRE AND SMOKE PROTECTION FEATURES**

Sec. 15. Subsection 91.703.2.3 of Section 91.703, Division 7, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 16. A new Division 7A is added to Article 1 of Chapter IX of the Los Angeles Municipal Code to read as follows:

**DIVISION 7A
MATERIALS AND CONSTRUCTION METHODS FOR EXTERIOR WILDFIRE
EXPOSURE**

Section

91.700A Basic Provisions.

Sec. 17. A new Section 91.700A is added to Division 7A of Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.700A. BASIC PROVISIONS.

Chapter 7A of the CBC is hereby adopted by reference.

Sec. 18. The title of Division 9, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

**DIVISION 9
FIRE PROTECTION AND LIFE SAFETY SYSTEMS**

Sec. 19. Subsection 91.909.3 of Section 91.909, Division 9, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 20. Subsection 91.909.3.1 of Section 91.909, Division 9, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 21. Subsection 91.909.3.2 of Section 91.909, Division 9, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 22. Section 91.1206 of Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.1206. SOUND TRANSMISSION.

Section 1206 of the CBC is adopted by reference, except CBC Section 1206.1, is not adopted and, in lieu, LAMC Subsections 91.1206.1, 91.1206.1.2, 91.1206.6, 91.1206.7, 91.1206.8, 91.1206.9, 91.1206.9.1, 91.1206.10, 91.1206.11, 91.1206.12, 91.1206.13, 91.1206.14, 91.1206.14.1, 91.1206.14.2, 91.1206.14.3, 91.1206.15, 91.1206.16 and 91.1206.17 are added.

Sec. 23. Subsection 91.1206.1 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 24. Subsection 91.1206.1.2 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 25. Subsection 91.1206.6 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 26. Subsection 91.1206.7 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 27. Subsection 91.1206.8 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 28. Subsection 91.1206.9 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 29. Subsection 91.1206.9.1 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 30. Subsection 91.1206.10 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 31. Subsection 91.1206.11 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 32. Subsection 91.1206.12 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 33. Subsection 91.1206.13 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 34. Subsection 91.1206.14 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 35. Subsection 91.1206.14.1 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 36. Subsection 91.1206.14.2 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 37. Subsection 91.1206.14.3 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 38. Subsection 91.1206.15.4 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted.

Sec. 39. A new Subsection 91.1206.15 is added to Section 91.1206 of Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1206.15. Other Noise Sources. All structures identified in LAMC Subsection 91.1206.1 located where the L_{dn} or CNEL exceeds 60 db shall require an acoustical analysis showing that the proposed design will limit exterior noise to the prescribed allowable interior level. The noise element of the local general plan shall be used to the greatest extent possible to identify sites with noise levels potentially greater than 60 db.

Sec. 40. Subsection 91.1206.16 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 41. Subsection 91.1206.17 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 42. The title of Division 13, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

DIVISION 13 ENERGY EFFICIENCY

Sec. 43. Subsection 91.1402.3 of Section 91.1402, Division 14, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

91.1402.3. Structural. Exterior walls, exterior wall coverings, exterior soffits and fascias, and the associated openings, shall be designed and constructed to resist safely the superimposed loads required by Division 16, Article 1, Chapter IX of the LAMC.

Sec. 44. A new Subsection 91.1402.3.2 is added to Section 91.1402 of Division 14, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1402.3.2. Veneer Deflection. In no case shall veneer be considered as part of the wall in computing strength or deflection, nor shall it be considered a part of the required thickness of the wall. Deflection of lateral support of veneer, including wood studs, shall be no greater than $h/500$.

Sec. 45. The title and table of contents of Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 15 ROOFS AND ROOF STRUCTURES

Section

91.1500 Basic Provisions.

91.1505 Fire Classification.

91.1507 Requirements for Roof Coverings.

91.511 Rooftop Structures.

91.1512 Reroofing.

Sec. 46. Subsection 91.1505.1 of Section 91.1505, Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1505.1. General. Fire classification of roof assemblies shall be in accordance with Section 1505 of the CBC. The minimum fire classification of roof assemblies installed on buildings shall comply with Table 1505.1 based on type of construction of the building. Class A, B and C roof assemblies and roof coverings required to be listed by this section shall be tested in accordance with ASTM E108 or UL 790.

EXCEPTION: Skylights and sloped glazing shall comply with Division 24, Article 1, Chapter IX of the LAMC.

No wood shake or wood shingle roof covering is permitted anywhere in the City.

Sec. 47. The table entitled “GENERAL - CLAY OR CONCRETE ROOF TILE” in Table 1507.3.7 of Section 91.1507, Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

GENERAL – CLAY OR CONCRETE ROOF TILE			
Maximum Allowable Stress Design Wind Speed, V_{asd}^f (mph)	Mean roof height (feet)	Roof slope up to <3:12	Roof slope 3:12 and over
85	0-60	Two fasteners per tile.	Two fasteners per tile.
100	0-40		
100	>40-60	The head of all tiles shall be nailed. The nose of all eave tiles shall be fastened with approved clips. All rake tiles shall be nailed with two nails. The nose of all ridge, hip and rake tiles shall be set in a bead of roofer's mastic.	
110	0-60	The fastening system shall resist the wind forces in CBC Section 1609.6.3.1.	
120	0-60	The fastening system shall resist the wind forces in CBC Section 1609.6.3.1.	
130	0-60	The fastening system shall resist the wind forces in CBC Section 1609.6.3.1.	
All	>60	The fastening system shall resist the wind forces in CBC Section 1609.6.3.1.	

Sec. 48. The table entitled “INTERLOCKING CLAY OR CONCRETE ROOF TILE WITH PROJECTING ANCHOR LUGS (Installations on solid sheathing with battens)” in Table 1507.3.7 of Section 91.1507, Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

INTERLOCKING CLAY OR CONCRETE ROOF TILE WITH PROJECTING ANCHOR LUGS ^{d, e} (Installations on solid sheathing with battens)				
Maximum Allowable Stress Design Wind Speed, V _{asd} ^f (mph)	Mean roof height (feet)	Roof slope up to < 5:12	Roof slope 5:12 < 12:12	Roof slope 12:12 and over
85	0-60	Minimum slope is 4:12. One fastener per tile.	One fastener per tile. Tiles with installed weight less than 9 lbs./sq. ft. require a minimum of one fastener per tile.	One fastener required for every tile. Tiles with installed weight less than 9 lbs./sq. ft. require a minimum of one fastener per tile.
100	0 - 40			
100	>40-60	The head of all tiles shall be nailed. The nose of all eave tiles shall be fastened with approved clips. All rake tiles shall be nailed with two nails. The nose of all ridge, hip and rake tiles shall be set in a bead of roofer's mastic.		
110	0-60	The fastening system shall resist the wind forces in CBC Section 1609.6.3.1.		
120	0-60	The fastening system shall resist the wind forces in CBC Section 1609.6.3.1.		
130	0-60	The fastening system shall resist the wind forces in CBC Section 1609.6.3.1.		
All	>60	The fastening system shall resist the wind forces in CBC Section 1609.6.3.1.		

Sec. 49. The table entitled "INTERLOCKING CLAY OR CONCRETE ROOF TILE WITH PROJECTING ANCHOR LUGS (Installations on solid sheathing without battens)" in Table 1507.3.7 of Section 91.1507, Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

INTERLOCKING CLAY OR CONCRETE ROOF TILE WITH PROJECTING ANCHOR LUGS (Installations on solid sheathing without battens)		
Maximum Allowable Stress Design Wind Speed, V_{asd}^f (mph)	Mean roof height (feet)	Minimum roof slopes 4 units vertical in 12 units horizontal Maximum slope 7 units vertical in 12 units horizontal
85	0-60	One fastener per tile.
100	0-40	One fastener per tile.
100	>40-60	The head of all tiles shall be nailed. The nose of all eave tiles shall be fastened with approved clips. All rake tiles shall be nailed with two nails The nose of all ridge, hip and rake tiles shall be set in a bead of roofer's mastic.
110	0-60	The fastening system shall resist the wind forces in CBC Section 1609.6.3.1.
120	0-60	The fastening system shall resist the wind forces in CBC Section 1609.6.3.1.
130	0-60	The fastening system shall resist the wind forces in CBC Section 1609.6.3.1.
All	>60	The fastening system shall resist the wind forces in CBC Section 1609.6.3.1.

Sec. 50. The footnotes in Table 1507.3.7 of Section 91.1507, Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

For SI: one inch = 25.4 mm, one foot = 304.8 mm, one mile per hour = 0.447 m/s, one pound per square foot = 4.882 kg/m².

- a Minimum fastener size. Hot dipped galvanized ring shank or other corrosion-resistant nails not less than No. 11 gage with 5/16-inch head. Fasteners shall be long enough to penetrate into the sheathing 0.75 inch or through the thickness of the sheathing, whichever is less. Attaching wire for clay and concrete tile shall not be smaller than 0.083 inch and shall be copper, brass or stainless steel.
- b Snow areas. A minimum of two fasteners per tile are required on battens and one fastener.
- c Roof slopes greater than 24:12. The nose of all tiles shall be securely fastened.
- d Horizontal battens. Battens shall be not less than one-inch by two-inch nominal. Provisions shall be made for drainage by a minimum of 1/8-inch riser at each nail or by four-foot-long battens with at least a 0.5-inch separation between battens. Horizontal battens are required for slopes over 7:12.
- e Perimeter fastening areas include three tile courses but not less than 36 inches from either side of hips or ridges and edges of eaves and gable rakes.
- f V_{asd} shall be determined in accordance with CBC Section 1609.3.1.

Sec. 51. Section 91.1511, Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.1511. ROOFTOP STRUCTURES.

Section 1511 of the CBC is adopted by reference.

Sec. 52. Subsection 91.1512.2.1 of Section 91.1511, Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted.

Sec. 53. Subsection 91.1512.3 of Section 91.1511, Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 54. Table 1512.1 of Section 91.1511, Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 55. A new Section 91.1512 is added to Division 15 of Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.1512. REROOFING

Section 1512 of the CBC is adopted by reference, except CBC Sections 1512.3 and 1512.3.1 are not adopted and, in lieu, Los Angeles Municipal Code Subsections 91.1512.3 and 91.1512.3.1 are added.

Sec. 56. A new Subsection 91.1512.3 is added to Section 91.1512 of Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1512.3. Roof Recover. The installation of a new roof covering over an existing roof covering shall be permitted where any of the following conditions occur:

1. Where the new roof covering is installed in accordance with the roof covering manufacturer's approved instructions.
2. Complete and separate roofing systems, such as standing-seam metal roof panel systems, that are designed to transmit the roof loads directly to the building's structural system and that do not rely on existing roofs and roof coverings for support, shall not require the removal of existing roof coverings.
3. The application of a new protective coating over an existing spray polyurethane foam roofing system shall be permitted without tear off of existing roof coverings.

EXCEPTION: A roof recover shall not be permitted where any of the following conditions occur:

1. The existing roof or roof covering is water-soaked or has deteriorated to the point that the existing roof or roof covering is not adequate as a base for additional roofing.
2. The existing roof covering is slate, clay, cement or asbestos-cement tile.
3. The existing roof has two or more applications of any type of roof covering.

Sec. 57. A new Subsection 91.1512.3.1 is added to Section 91.1512 of Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1512.3.1. Roof Recovering. Roof covering may be applied over existing roofing in accordance with the Los Angeles Municipal Code Table 1512.1.

Sec. 58. A new Table 91.1512.3.1 is added to Section 91.1512 of Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is added to read as follows:

**TABLE 91.1512.3.1
ALLOWABLE REROOFS OVER EXISTING ROOFING**

EXISTING ROOFING	NEW OVERLAY ROOFING					
	BUILT UP	ASPHALT SHINGLE	TILE ROOF	METAL ROOF	MODIFIED BITUMEN	SPRAY POLY-URETHANE FORM
Built Up	Yes	Yes (2:12)	Yes (2.5:12)	Yes	Yes	Yes
Asphalt Shingle	NP	Yes	Yes (2.5:12)	Yes	Yes	NP
Asphalt over Asphalt	NP	Yes	Yes	Yes	Yes	NP
Tile Roof	NP	NP	NP	NP	NP	NP
Metal Roof	NP	NP	NP	Yes	NP	NP
Modified Bitumen	Yes	Yes	Yes (2.5:12)	Yes	Yes	NP

NP = Not Permitted.
Note: (Minimum Roof Slope)

Sec. 59. Subsection 91.1603.1.10 of Section 91.1603, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 60. Subsection 91.1609.1.1.2 of Section 91.1609, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 61. Subsection 91.1612.3 of Section 91.1612, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 62. Section 91.1613 of Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.1613. EARTHQUAKE LOADS.

Section 1613 of the CBC is adopted by reference, and Los Angeles Municipal Code Subsections 91.1613.8 through 91.1613.12.1.3.4.5 are added to read as follows:

Sec. 63. Subsection 91.1613.5 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.11 and amended in its entirety to read as follows:

91.1613.11. Amendments to ASCE 7. The provisions of Subsections 91.1613.11.1 thru 91.1613.12 are amendments to the relevant provisions of ASCE 7.

Sec. 64. Subsection 91.1613.5.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.11.1, and amended in its entirety to read as follows:

91.1613.11.1. ASCE Supplements. Supplements of ASCE 7 are hereby adopted by reference.

Sec. 65. Subsection 91.1613.5.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.11.2.

Sec. 66. Subsection 91.1613.5.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.11.3.

Sec. 67. Subsection 91.1613.5.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 68. Subsection 91.1613.7 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 69. Subsection 91.1613.8 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1613.8. Reserved.

Sec. 70. Subsection 91.1613.8.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.12.1 and amended in its entirety to read as follows:

91.1613.12.1. Scope. This part contains special requirements for suspended ceilings and lighting systems. The provisions of Section 13.5.6 of ASCE 7 shall apply except as modified here.

Sec. 71. Subsection 91.1613.8.1.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.12.1.2 and amended in its entirety to read as follows:

91.1613.12.1.2. Design and Installation Requirements.

Sec. 72. Subsection 91.1613.8.1.2.1 of Section 91.1613, Division 16, Article 1,

Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.12.1.2.1, and amended in its entirety to read as follows:

91.1613.12.1.2.1. General. The suspended ceilings and lighting systems shall be limited to 6 feet (1828 mm) below the structural deck unless the lateral bracing is designed by a licensed engineer or architect.

Sec. 73. Subsection 91.1613.8.1.2.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.12.1.2.2, and amended in its entirety to read as follows:

91.1613.12.1.2.2. Bracing at Discontinuity. Positive bracing to the structure shall be provided at changes in the ceiling plane elevation or at discontinuities in the ceiling grid system.

Sec. 74. Subsection 91.1613.8.1.2.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.12.1.2.3 and amended in its entirety to read as follows:

91.1613.12.1.2.3. Support for Appendages. Cable trays, electrical conduits and piping shall be independently supported and independently braced from the structure.

Sec. 75. Subsection 91.1613.8.1.2.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.12.1.2.4 and amended in its entirety to read as follows:

91.1613.12.1.2.4. Sprinkler Heads. All sprinkler heads (drops), except fire-resistance-rated floor/ceiling or roof/ceiling assemblies, shall be designed to allow for free movement of the sprinkler pipes with oversize rings, sleeves or adaptors through the ceiling tile.

Sprinkler heads penetrating fire-resistance-rated floor/ceiling or roof/ceiling assemblies shall comply with CBC Section 714. Sprinkler heads and other penetrations shall have a 2 in. (50 mm) oversize ring, sleeve or adapter through the ceiling tile to allow for free movement of at least 1 in. (25 mm) in all horizontal directions. Alternatively, a swing joint that can accommodate 1 in. (25 mm) of ceiling movement in all horizontal directions is permitted to be provided at the top of the sprinkler head extension.

Sec. 76. Subsection 91.1613.8.1.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.12.1.3 and amended to read as follows:

91.1613.12.1.3. Special Requirements for Means of Egress. Suspended ceiling assemblies located along means of egress serving an occupant load of 30 or more shall comply with the following provisions:

Sec. 77. Subsection 91.1613.8.1.3.1 of Section 91.1613, Division 16, Article 1 Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.12.1.3.1 and amended in its entirety to read as follows:

91.1613.12.1.3.1. General. Ceiling suspension systems shall be connected and braced with vertical hangers attached directly to the structural floor or roof system above and along the means of egress serving an occupant load of 30 or more and at lobbies accessory to Group A Occupancies. Spacing of vertical hangers shall not exceed 2 feet (610 mm) on center along the entire length of the suspended ceiling assembly located along the means of egress or at the lobby.

Sec. 78. Subsection 91.1613.8.1.3.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.12.1.3.2 and amended in its entirety to read as follows:

91.1613.12.1.3.2. Assembly Device. All lay-in panels shall be secured to the suspension ceiling assembly with two hold-down clips minimum for each tile within a 4-foot (1219 mm) radius of the exit lights and exit signs.

Sec. 79. Subsection 91.1613.8.1.3.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered 91.1613.12.1.3.3, and amended in its entirety to read as follows:

91.1613.12.1.3.3. Emergency Systems. Independent supports and braces shall be provided for light fixtures required for exit illumination. Power supply for exit illumination shall comply with the requirements of CBC Section 1008.3.

Sec. 80. Subsection 91.1613.8.1.3.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1613.12.1.3.4 and amended in its entirety to read as follows:

91.1613.12.1.3.4. Supports for Appendage. Separate support from the structural floor or roof system above shall be provided for all appendages such as light fixtures, air diffusers, exit signs and similar elements.

Sec. 81. Subsection 91.1613.9 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 82. Subsection 91.1613.9.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 83. Subsection 91.1613.9.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 84. Subsection 91.1613.9.3 of Section 91.1613, Division 16, Article 1,

Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 85. Subsection 91.1613.9.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

91.1613.9.4. Analysis and Design.

Sec. 86. Subsection 91.1613.9.4.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1613.9.4.1. General. Every hillside building within the scope of this division shall be analyzed, designed and constructed in accordance with provisions of this division. When the code-prescribed wind design produces greater effects, the wind design shall govern, but detailing requirements and limitations prescribed in this and referenced sections shall be followed.

Sec. 87. Subsection 91.1613.9.4.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1613.9.4.2. Base Level Diaphragm - Downhill Direction. The following provisions shall apply to the seismic analysis and design of the connections for the base level diaphragm in the downhill direction.

Sec. 88. Subsection 91.1613.9.4.2.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 89. Subsection 91.1613.9.4.2.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 90. Subsection 91.1613.9.5 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 91. Subsection 91.1613.9.5.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 92. Subsection 91.1613.9.5.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 93. Subsection 91.1613.9.5.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 94. Subsection 91.1613.9.5.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1613.9.5.4. Limitations. The following lateral-force- resisting elements shall not be designed to resist seismic forces below the base level diaphragm in the downhill direction:

1. Wood structural panel wall sheathing,
2. Cement plaster and lath,
3. Gypsum wallboard, and
4. Tension only braced frames.

Braced frames designed in accordance with the requirements of CBC Section 2202.2.11 may be used to transfer forces from the primary anchors and diaphragm struts to the foundation, provided lateral forces do not induce flexural stresses in any member of the frame or in the diaphragm struts. Deflections of frames shall account for the variation in slope of diagonal members when the frame is not rectangular.

Sec. 95. Subsection 91.1613.9.6 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 96. Subsection 91.1613.9.6.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 97. Subsection 91.1613.9.6.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 98. Subsection 91.1613.9.6.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 99. Subsection 91.1613.9.7 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 100. Subsection 91.1613.9.7.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 101. Subsection 91.1613.9.7.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 102. Subsection 91.1613.9.7.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 103. Subsection 91.1613.9.7.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 104. Subsection 91.1613.9.7.4.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 105. Subsection 91.1613.9.7.4.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 106. Subsection 91.1613.9.7.4.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 107. Subsection 91.1613.9.8 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 108. Subsection 91.1613.9.9 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 109. Subsection 91.1613.9.9.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 110. Subsection 91.1613.9.9.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 111. Subsection 91.1613.9.9.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 112. Subsection 91.1613.9.9.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 113. Subsection 91.1613.9.9.5 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 114. Subsection 91.1613.9.9.5.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 115. Subsection 91.1613.9.9.5.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 116. Subsection 91.1613.9.9.5.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 117. Subsection 91.1613.9.9.6 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 118. Subsection 91.1613.9.10 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 119. Subsection 91.1613.9.10.1 of Section 91.1613, Division 16, Article 1,

Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 120. Subsection 91.1613.9.10.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 121. Subsection 91.1613.9.10.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 122. Subsection 91.1613.9.10.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 123. Subsection 91.1613.9.10.5 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 124. Subsection 91.1613.10 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 125. Subsection 91.1613.10.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 126. Subsection 91.1613.10.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 127. Subsection 91.1613.10.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 128. Subsection 91.1613.10.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 129. Subsection 91.1613.10.5 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 130. A new Subsection 91.1613.12 is added to Section 91.1613 of Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1613.12. Additional Seismic Requirements.

Sec. 131. The title and table of contents of Division 17 of Article 1, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

**DIVISION 17
SPECIAL INSPECTIONS AND TESTS**

Section
91.1700 General.
91.1703 Approvals.

91.1704 Special Inspections and Tests, Contractor Responsibility and Structural Observation.

91.1705 Required Special Inspections and Tests.

91.1706 Design Strengths of Materials.

91.1711 Prefabricated Construction.

91.1712 Certified Security Bar Installer.

Sec. 132. Section 91.1702, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 133. Subsection 91.1703.1 of Section 91.1703, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 134. Subsection 91.1703.2 of Section 91.1703, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 135. Subsection 91.1703.3 of Section 91.1703, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 136. Subsection 91.1703.4 of Section 91.1703, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 137. Subsection 91.1703.4.1 of Section 91.1703, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 138. Subsection 91.1703.4.2 of Section 91.1703, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 139. Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.1704. SPECIAL INSPECTIONS AND TESTS, CONTRACTOR RESPONSIBILITY AND STRUCTURAL OBSERVATION.

Section 1704 of the CBC is adopted by reference, except that CBC Sections 1704.2, 1704.2.1, 1704.2.3, 1704.2.4, 1704.2.5, 1704.2.5.1, , 1704.6, and 1704.6.1 are not adopted; and, in lieu, LAMC Subsections 91.1704.1.1, 91.1704.1.2, 91.1704.1.3, 91.1704.1.4, 91.1704.1.5, 91.1704.1.6, 91.1704.1.7, 91.1704.2, 91.1704.2.1, 91.1704.2.1.1, 91.1704.2.1.2, 91.1704.2.1.3, 91.1704.2.3, 91.1704.2.4, 91.1704.2.5, 91.1704.2.5.1, 91.1704.6, and 91.1704.6.1 are added or amended to read as follows:

Sec. 140. Subsection 91.1704.1.1 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 141. Subsection 91.1704.1.2 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 142. Subsection 91.1704.1.3 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 143. Subsection 91.1704.1.4 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 144. Subsection 91.1704.1.5 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 145. Subsection 91.1704.1.6 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 146. Subsection 91.1704.1.7 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 147. Subsection 91.1704.2 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 148. Subsection 91.1704.2.1 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 149. Subsection 91.1704.2.1.1 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 150. Subsection 91.1704.2.1.2 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 151. Subsection 91.1704.2.1.3 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 152. Subsection 91.1704.2.3 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 153. Subsection 91.1704.2.4 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 154. Subsection 91.1704.2.5 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 155. Subsection 91.1704.2.5.1 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 156. Subsection 91.1704.5 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted.

Sec. 157. Subsection 91.1704.6 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 158. Subsection 91.1704.6.1 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 159. Section 91.1705 of Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.1705. REQUIRED SPECIAL INSPECTIONS AND TESTS.

Section 1705 of the CBC is adopted by reference, except CBC Sections 1705.3, 1705.3.2, 1705.6, 1705.7, 1705.8, 1705.1705.13.1, and 1705.17 are not adopted; and, in lieu, LAMC Subsections 91.1705.1.2, 91.1705.1.3, 91.1705.1.4, 91.1705.1.5, 91.1705.1.6, 91.1705.1.7, 91.1705.1.8, 91.1705.1.9, 91.1705.1.10, 91.1705.1.11, 91.1705.1.12, 91.1705.1.13, 91.1705.2.5, 91.1705.3, 91.1705.3.1.1, 91.1705.3.2, 91.1705.6, 91.1705.6.2, 91.1705.7, 91.1705.8, 91.1705.13.1, 91.1705.13.1.1.1, 91.1705.14.1, 91.1705.18.2, and 91.1705.19 are added.

Sec. 160. Subsection 91.1705.1.2 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 161. Subsection 91.1705.1.3 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 162. Subsection 91.1705.1.4 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 163. Subsection 91.1705.1.5 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 164. Subsection 91.1705.1.6 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 165. Subsection 91.1705.1.7 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 166. Subsection 91.1705.1.8 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 167. Subsection 91.1705.1.9 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 168. Subsection 91.1705.1.10 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 169. Subsection 91.1705.1.11 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 170. Subsection 91.1705.1.12 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 171. Subsection 91.1705.1.13 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 172. Subsection 91.1705.2.4 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1705.2.5 and amended in its entirety to read as follows:

91.1705.2.5. Cold-formed Steel Trusses Spanning 60 Feet or Greater. Where a cold-formed steel truss clear span is 60 feet (18 288 mm) or greater, the deputy inspector shall verify that the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing are installed in accordance with the approved truss submittal package.

Sec. 173. Subsection 91.1705.3 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 174. Subsection 91.1705.3.1.1 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 175. Subsection 91.1705.3.2 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 176. Subsection 91.1705.6 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 177. Subsection 91.1705.6.2 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1705.6.2. Grading. A registered Deputy Grading Inspector, approved by and accountable to the soil engineer of record, is required in all circumstances where the planned site grading or foundation earthwork for a project includes any of the following:

- 1.1. A contiguous grading area exceeding 60,000 square feet (5574 m²).
- 2.2. An excavated or filled slope steeper than 2 horizontal in 1 vertical (50% slope).

3.3. An excavated slope exceeding 40 feet (12,192 mm) in height and the top of which is within 20 feet (6096 mm) of a property line coterminous with improved private property or a public way.

4.4. Foundation excavations below a 1 horizontal in 1 vertical plane inward and down from the property line.

EXCEPTION: The Department may waive continuous inspection where minor areas or heights are involved and no unusual hazards exist.

Sec. 178. Table 1705.6 following Subsection 91.1705.6.2 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 179. Subsection 91.1705.7 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 180. Subsection 91.1705.8 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 181. Subsection 91.1705.13.1 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 182. Subsection 91.1705.13.1.1.1 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 183. Subsection 91.1705.14.1 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 184. Subsection 91.1705.18.2 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 185. Subsection 91.1705.19 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 186. Subsection 91.1706.1 of Section 91.1706, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 187. Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 188. Subsection 91.1710.1 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 189. Subsection 91.1710.2 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 190. Subsection 91.1710.3 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 191. Subsection 91.1710.3.1 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 192. Subsection 91.1710.3.2 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 193. Subsection 91.1710.3.3 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 194. Subsection 91.1710.3.4 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 195. Subsection 91.1710.4 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 196. Subsection 91.1710.4.1 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 197. Subsection 91.1710.4.2 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 198. Subsection 91.1710.4.3 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 199. Subsection 91.1710.4.4 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 200. Subsection 91.1710.4.5 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 201. Subsection 91.1710.4.6 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 202. Subsection 91.1710.4.7 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 203. Subsection 91.1710.4.8 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 204. Subsection 91.1710.5 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 205. Subsection 91.1710.5.1 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 206. Subsection 91.1710.5.2 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 207. Subsection 91.1710.6 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 208. Subsection 91.1710.6.1 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 209. Subsection 91.1710.6.2 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 210. Subsection 91.1710.7 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 211. Subsection 91.1710.8 of Section 91.1710, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 212. Subsection 91.1711.1 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 213. Subsection 91.1711.1.1 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 214. Subsection 91.1711.1.2 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 215. Subsection 91.1711.1.3 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 216. Subsection 91.1711.2 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1711.2. Tests of Materials. Every approval of a material not specifically mentioned in this Code shall incorporate as a provision, the kind and number of tests to be made during prefabrication.

Sec. 217. Subsection 91.1711.3 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 218. Subsection 91.1711.4 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

91.1711.4. Reserved.

Sec. 219. Subsection 91.1711.5 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

91.1711.5. Reserved.

Sec. 220. Subsection 91.1711.6 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 221. Subsection 91.1711.6.1 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 222. Subsection 91.1711.6.2 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 223. Subsection 91.1711.6.3 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 224. Subsection 91.1711.6.4 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 225. Subsection 91.1711.6.5 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 226. A new Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.1712. CERTIFIED SECURITY BAR INSTALLER.

Sec. 227. A new Subsection 91.1712.1 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.1. General. A certified security bar installer may certify to the Department that any bars, grilles, grates, security roll-down shutters, or similar devices installed on required emergency escape windows or doors meet the requirements of LAMC Subsection 91.6304.3.

The Department may allow the use of a certified installer if:

1. The certified installer obtains a Certificate of Registration in accordance with the provisions of this section.
2. The certified installer files with the Department a Certificate of Compliance for each dwelling unit for which certification is being made. The

Certificate of Compliance shall be on a form provided by the Department and shall be signed by the property owner and the certified installer.

3. The Certificate of Compliance processing fee is paid in accordance with LAMC Subsection 91.107.7.

4. The certified installer files the Certificate of Compliance with the Department within 15 days after completion of the installation.

Sec. 228. A new Subsection 91.1712.2 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.2. Registration. A certified installer shall obtain a Certificate of Registration from the Department.

Sec. 229. A new Subsection 91.1712.3 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.3. Application.

Sec. 230. A new Subsection 91.1712.3.1 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.3.1. Forms. Application for a certified security bar installer Certificate of Registration shall be made on a form furnished by the Department.

Sec. 231. A new Subsection 91.1712.3.2 of Section 91.1712 is added Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.3.2. Information Necessary. The application shall bear the name and address of the applicant and, if a firm, partnership or corporation, the names of the principal officers. The application shall carry other information deemed necessary by the Department.

Sec. 232. A new Subsection 91.1712.3.3 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.3.3. Verification. The applicant shall declare that the information contained in the application is true and correct.

Sec. 233. A new Subsection 91.1712.3.4 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.3.4. Fees. The application shall be accompanied by an examination fee of \$125.00.

Sec. 234. A new Subsection 91.1712.4 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.4. Examination.

Sec. 235. A new Subsection 91.1712.4.1 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.4.1. Examination Required. Before any person shall be issued a Certificate of Registration, the applicant, who must be an officer in the case of a firm, partnership or corporation, shall have successfully passed the examination required for the issuance of the certificate within ninety (90) days preceding the date of the issuance.

Sec. 236. A new Subsection 91.1712.4.2 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.4.2. Experience Required. To be eligible for the examination for a Registration Certificate, the applicant shall have a valid California State Contractor's License in an appropriate specialty and a valid City Business Tax Certificate.

Sec. 237. A new Subsection 91.1712.4.3 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.4.3. Board of Examiners. The Superintendent of Building or a Board of Examiners composed of qualified person(s) appointed by the Superintendent of Building shall conduct examinations.

The results of every examination shall be subject to the approval of the Superintendent.

Each examiner shall serve at the pleasure of the Superintendent of Building and shall serve for a period of one year unless reappointed by the Superintendent of Building.

Sec. 238. A new Subsection 91.1712.4.4 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.4.4. Scope of Examination. The examination shall, in the judgment of the Board of Examiners, fairly determine the ability of the applicant to properly perform the work, which the applicant would be authorized to do by the certificate requested, and may include the following:

1. A written test.
2. Practical tests as may be required.

3. An oral interview as may be required.
4. Other tests as may be required by the Board of Examiners.

Sec. 239. A new Subsection 91.1712.4.5 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.4.5. Time of Examination. The applicant shall be examined as soon as practicable after filing an application.

Sec. 240. A new Subsection 91.1712.4.6 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.4.6. Rules and Regulations. The Department shall have the authority to establish rules and regulations for the conduct of examinations.

Sec. 241. A new Subsection 91.1712.4.7 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.4.7. Fitness of Applicant. Any applicant for a certificate may be required to submit satisfactory proof of the applicant's fitness to carry out the intent of this Code.

Sec. 242. A new Subsection 91.1712.4.8 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.4.8. Failure to Pass. Every applicant who fails to pass an examination shall not be eligible for another examination until four (4) weeks after taking the previous examination. Any applicant who fails to pass on the third try shall not be eligible again until six (6) months after taking the previous examination.

Sec. 243. A new Subsection 91.1712.5 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.5. Issuance of Certificates.

Sec. 244. A new Subsection 91.1712.5.1 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.5.1. Upon the payment of a \$90 fee, the Department may issue a Certificate of Registration to every applicant who passes the required examination for a certified security bar installer.

Sec. 245. A new Subsection 91.1712.5.2 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.5.2. Renewal of Certificates. Expired certificates may be renewed at any

time within twelve (12) months following the date of expiration. However, after the first month, the renewal fee shall be increased by 10% for each subsequent month. After a certificate has been expired for one year, it may not be renewed; however, an applicant may apply for a new certificate at that time.

Sec. 246. A new Subsection 91.1712.6 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.6. Exhibition of Certificate.

Sec. 247. A new Subsection 91.1712.6.1 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.6.1. Every person having a fixed place of business shall keep their Certificate of Registration posted in some conspicuous location at their place of business during the time the certificate is in force.

Sec. 248. A new Subsection 91.1712.6.2 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.6.2. Every person not having a fixed place of business shall carry their Certificate of Registration with them at all times while doing any work pursuant to this certificate.

Sec. 249. A new Subsection 91.1712.7 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.7. Revocation of Certificate. Any certificate may be suspended or revoked in accordance with the provisions of Article 8, Chapter IX of the LAMC.

Sec. 250. A new Subsection 91.1712.8 of Section 91.1712 is added to Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1712.8. Transfer of Certificate. No certificate shall be transferable. A Certificate of Registration issued to a firm, partnership or corporation may not be transferred. The dissolution of a firm, partnership or corporation renders the certificate void.

Sec. 251. Subsection 91.1801.1 of Section 91.1801, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 252. Subsection 91.1803.5.6 of Section 91.1803, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 253. Subsection 91.1805.4.3 of Section 91.1805, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 254. Subsection 91.1806.2 of Section 91.1806, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1806.2. Presumptive Load-bearing Values. The load-bearing values used in design for supporting soils and rock near the surface shall not exceed the values specified in CBC Table 1806.2 unless data to substantiate the use of higher values are submitted and approved. Where the Department has reason to doubt the classification, strength or compressibility of the soil, the requirements of CBC Section 1803.5.2 shall be satisfied.

Presumptive load-bearing values shall apply to materials with similar physical and engineering characteristics and dispositions.

Mud, organic silt and organic clays (OL, OH), peat (Pt) and uncertified fill shall not be assumed to have a presumptive load-bearing capacity.

Sec. 255. Subsection 91.1807.1.4 of Section 91.1807, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1807.1.4. Permanent Wood Foundation Systems. Permanent wood foundation systems shall be designed and installed in accordance with AWC PWFF and as otherwise approved by the Department. Lumber and plywood shall be preservative treated in accordance with AWWA U1 (Commodity Specification A, Special Requirement 4.22) and shall be identified in accordance with CBC Section 2303.1.9.1. Permanent wood foundation systems shall not be used for structures assigned to Seismic Design Category D, E or F.

EXCEPTION: Accessory buildings not used for human occupancy and less than 120 square feet (11.1 m²) in area may be supported on treated wood mud sills.

Sec. 256. Subsection 91.1807.1.6 of Section 91.1807, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 257. Subsection 91.1808.7.1.1 of Section 91.1808, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 258. Subsection 91.1809.3 of Section 91.1809, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 259. Subsection 91.1809.4 of Section 91.1809, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 260. Subsection 91.1809.7 of Section 91.1809, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 261. Table 1809.7 following Subsection 91.1809.7 of Section 91.1809, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

TABLE 1809.7
PRESCRIPTIVE FOOTINGS SUPPORTING WALLS OF LIGHT-FRAMED
CONSTRUCTION a, b, c, d, e

NUMBER OF FLOORS SUPPORTED BY THE FOOTING ^f	WIDTH OF FOOTING (inches)	THICKNESS OF FOOTING (inches)
1	12	6
2	15	6
3	18	8 ^g

For SI: one inch = 25.4 mm, one foot = 304.8 mm

- a. Depth of footings shall be in accordance with CBC Section 1809.4.
- b. The ground under the floor is permitted to be excavated to the elevation of the top of the footing.
- c. Not adopted.
- d. See CBC Section 1905 for additional requirements for footings of structures assigned to Seismic Design Category C, D, E or F.
- e. For thickness of foundation walls, see LAMC Subdivision 91.1807.1.6.
- f. Footings are permitted to support a roof in addition to the stipulated number of floors. Footings supporting roof only shall be as required for supporting one floor.

Sec. 262. Subsection 91.1809.12 of Section 91.1809, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1809.12. Timber Footings. Timber footings shall be permitted for buildings of Type V construction and as otherwise approved by the Department. Such footings shall be treated in accordance with AWP A U1 (Commodity Specification A, Use Category 4B). Treated timbers are not required where placed entirely below permanent water level, or where used as capping for wood piles that project above the water level over submerged or marsh lands. The compressive stresses perpendicular to grain in untreated timber footings supported upon treated piles shall not exceed 70 percent of the allowable stresses for the species and grade of timber as specified in the ANSI/AWC NDS. Timber footings shall not be used in structures assigned to Seismic Design Category D, E or F.

Sec. 263. Section 91.1810, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.1810. DEEP FOUNDATIONS.

Section 1810 of the CBC is adopted by reference, except Sections 1810.3.1.5, 1810.3.2.4, 1810.3.3.1.4, 1810.3.10.4, and 1810.4.8 of the CBC are not adopted; and,

in lieu, LAMC Paragraphs 91.1810.3.1.5, 91.1810.3.2.4, 91.1810.3.3.1.4, 91.1810.3.10.4, and Subdivision 91.1810.4.8 are added.

Sec. 264. Subsection 91.1810.3.1.5 of Section 91.1810, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 265. Subsection 91.1810.3.2.4 of Section 91.1810, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1810.3.2.4. Timber. Timber deep foundation elements shall be designed as piles or poles in accordance with ANSI/AWC NDS. Round timber elements shall conform to ASTM D25. Sawn timber elements shall conform to DOC PS-20. Timber shall not be used in structures assigned to Seismic Design Category D, E or F.

Sec. 266. Subsection 91.1810.3.3.1.4 of Section 91.1810, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1810.3.3.1.4. Allowable Shaft Resistance. The assumed frictional resistance developed by any uncased cast-in-place deep foundation element shall not exceed one-sixth (1/6) of the bearing value of the soil material at minimum depth as set forth in CBC Table 1806.2, up to a maximum of 500 psf (24 kPa), unless a greater value is allowed by the Department on the basis of a geotechnical investigation as specified in LAMC Section 91.1803 or a greater value is substantiated by a load test in accordance with CBC Section 1810.3.3.1.2. Frictional resistance and bearing resistance shall not be assumed to act simultaneously.

Sec. 267. Subsection 91.1810.3.10.4 of Section 91.1810, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 268. Subsection 91.1810.4.8 of Section 91.1810, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 269. The title and table of contents of Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 19 CONCRETE

Section

91.1900 Basic Provisions.

91.1905 Seismic Provisions

91.1906 Footings for Light-Frame Construction

Sec. 270. Section 91.1900 of Division 19, Article 1, Chapter IX of the Los

Angeles Municipal Code is amended, to read as follows:

SEC. 91.1900. BASIC PROVISIONS.

Chapter 19 of the CBC is adopted by reference, except that CBC Sections 1905.1, 1905.6.2, and 1906.1 are not adopted; and, in lieu, LAMC Subsections 91.1905.1, 91.1905.6.2, 91.1905.8.9, 91.1905.910, 91.1905.1011, 91.1905.11, and 91.1906.1 are added.

Sec. 271. Subsection 91.1905.1, of Section 91.1900 Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 272. Subsection 91.1905.1.7 of Section 91.1900 Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 273. Subsection 91.1905.1.9 of Section 91.1900 Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 274. Subsection 91.1905.1.10 of Section 91.1900 Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 275. Subsection 91.1905.1.11 of Section 91.1900 Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 276. Subsection 91.1905.1.12 of Section 91.1900 Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 277. Subsection 91.1906 of Section 91.1900 Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 278. Subsection 91.1906.1 of Section 91.1900 Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 279. A new Section 91.1905 is added to Division 19 of Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.1905. SEISMIC PROVISIONS.

Section 1905 of the CBC is adopted by reference with the following exceptions, modifications and additions:

Sec. 280. A new Subsection 91.1905.1 of Section 91.1905 is added to Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1905.1. General. In addition to the provisions of ACI 318, structural concrete shall comply with the requirements of CBC Section 1905 and LAMC Section 91.1905.

Sec. 281. A new Subsection 91.1905.6.2 of Section 91.1905 is added to Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1905.6.2. Seismic Design Categories C, D, E and F. Structures assigned to Seismic Design Category C, D, E or F shall not have elements of structural plain concrete, except as follows:

1. Concrete used for fill with a minimum cement content of two (2) sacks of Portland cement per cubic yard.
2. Isolated footings of plain concrete supporting pedestals or columns are permitted, provided the projection of the footing beyond the face of the supported member does not exceed the footing thickness.
3. Plain concrete footings supporting walls are permitted provided the footings have at least two continuous longitudinal reinforcing bars. Bars shall not be smaller than No. 4 and shall have a total area of not less than .002 times the gross cross-sectional area of the footing. A minimum of one bar shall be provided at the top and bottom of the footing. Continuity of reinforcement shall be provided at corners and intersections.

EXCEPTION: In detached one- and two-family dwellings three stories or less in height and constructed with stud-bearing walls, plain concrete footings with at least two continuous longitudinal reinforcement bars not smaller than No. 4 are permitted to have a total area of less than .002 times the gross cross-sectional area of the footing.

Sec. 282. A new Subsection 91.1905.8 of Section 91.1905 is added to Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1905.8. ACI 318, Section 18.7.5. Modify ACI 318, Section 18.7.5 by adding Section 18.7.5.8 to read as follows:

18.7.5.8 - Where the calculated point of contraflexure is not within the middle half of the member clear height, provide transverse reinforcement as specified in ACI 318 Section 18.7.5.1 Items (a) through (c), over the full height of the member.

Sec. 283. A new Subsection 91.1905.9 of Section 91.1905 is added to Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1905.9. ACI 318, Section 18.7.5. Modify ACI 318, Section 18.7.5, by adding Section 18.7.5.9 to read as follows:

18.7.5.9 - At any section where the design strength, ΦP_n , of the column is less than the sum of the shears V e computed in accordance with ACI 318 Sections

18.6.5.1 and 18.7.6.1.1 for all the beams framing into the column above the level under consideration, transverse reinforcement as specified in ACI 318 Sections 18.7.5.1 through 18.7.5.3 shall be provided. For beams framing into opposite sides of the column, the moment components may be assumed to be of opposite sign. For determination of the design strength, ΦP_n , of the column, these moments may be assumed to result from the deformation of the frame in any one principal axis.

Sec. 284. A new Subsection 91.1905.10 of Section 91.1905 is added to Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1905.10. ACI 318, Section 18.10.4. Modify ACI 318, Section 18.10.4, by adding Section 18.10.4.7 to read as follows:

18.10.4.7 - Walls and portions of walls with $P_u > 0.35P_o$ shall not be considered to contribute to the calculated strength of the structure for resisting earthquake-induced forces. Such walls shall conform to the requirements of ACI 318, Section 18.14 for wall piers.

Sec. 285. A new Subsection 91.1905.11 of Section 91.1905 is added to Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1905.11. ACI 318, Section 18.12.6. Modify ACI 318, Section 18.12.6, by adding Section 18.12.6.2 to read as follows:

18.12.6.2 - Collector and boundary elements in topping slabs placed over precast floor and roof elements shall not be less than 3 inches (76 mm) or $6d_b$ thick, where d_b is the diameter of the largest reinforcement in the topping slab. [CBC Section 1909.3.5]

Sec. 286. A new Section 91.1906 is added to Division 19 of Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.1906. FOOTINGS FOR LIGHT-FRAME CONSTRUCTION.

Section 1906 of the CBC is adopted by reference with the following exceptions, modifications and additions:

Sec. 287. A new Subsection 91.1906.1 of Section 91.1906 is added to Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.1906.1. Plain Concrete Footings. The design and construction of structural plain concrete, both cast-in-place and precast, shall comply with the minimum requirements of ACI 318, as modified in CBC Section 1905 and LAMC Section 91.1905.

EXCEPTION: For Group R-3 occupancies and buildings of other occupancies less than two stories above grade plane of light-frame construction,

the required footing thickness of ACI 318 is permitted to be reduced to 6 inches (152 mm), provided that the footing does not extend more than 4 inches (102 mm) on either side of the supported wall. This exception shall not apply to structural elements designed to resist seismic lateral forces for structures assigned to Seismic Design Category D, E, or F.

Sec. 288. Subsection 91.2113.3 of Section 91.2113, Division 21, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.2113.3. Seismic Reinforcing. Masonry chimneys shall be constructed, anchored, supported and reinforced as required in this division. In structures assigned to Seismic Design Category A or B, reinforcement and seismic anchorage is not required. In structures assigned to Seismic Design Category C or D, masonry chimneys shall be reinforced and anchored as detailed in CBC Sections 2113.3.1, 2113.3.2 and 2113.4. In structures assigned to Seismic Design Category E or F, masonry chimneys shall be reinforced in accordance with the requirements of CBC Sections 2101 through 2108 and anchored in accordance with CBC Section 2113.4.

Notwithstanding any other provisions of this Code, an existing masonry chimney, which is altered or repaired more than 10 percent of its replacement cost within a 12-month period, shall have its entire chimney structure comply with the current requirements of this Code or other standards approved by the Superintendent of Building.

Sec. 289. The title and table of contents of Division 22, Article 1, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 22 STEEL

Section

91.2200 Basic Provisions.

91.2201 General.

91.2202 Structural Steel and Composite Structural Steel and Concrete.

Sec. 290. Section 91.2200 of Division 22, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.2200. BASIC PROVISIONS.

Chapter 22 of the CBC is adopted by reference with the following exceptions, modifications and additions:

Sec. 291. A new Section 91.2201 is added to Division 22 of Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2201. GENERAL.

Section 2201 of the CBC is adopted by reference, except CBC Section 2201.4 of the CBC is not adopted; and, in lieu, LAMC Subsection 91.2201.4 is added.

Sec. 292. A new Subsection 91.2201.4 of Section 91.2201 is added to Division 22, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2201.4 Connections. The design and installation of steel connections shall be in accordance with the applicable referenced standards within this chapter. The details of design, work quality and technique for welding, inspection of welding and qualification of welding operators shall conform to the requirements listed in CBC Sections 2201, and 2202. For special inspection of welding or installation of high-strength bolts, see CBC Section 1705.2.

All welding, except when performed at the shop of an approved fabricator, shall be done by operators certified by the Department for the type of operation involved in accordance with the provisions of LAMC Section 91.1705.

Complete details of location, type, size and amount of all welds shall be clearly shown on the plans. Where symbols are used on the plans, they shall be the "Standard Welding Symbols," AWS A 2.4, of the American Welding Society (AWS). When it is necessary to use a special erection sequence of welding to minimize locked-up stresses or distortion, the Department may require the erection sequence of welding to be shown on the plans.

Welding procedures are qualified if they are in accordance with the AWS. Other welding procedures require special qualification approval by the Department. Each application for a special qualification shall be accompanied by a fee of \$50.00.

Sec. 293. A new Section 91.2202 is added to Division 22, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2202. STRUCTURAL STEEL AND COMPOSITE STRUCTURAL STEEL AND CONCRETE.

Section 2202 of the CBC is adopted by reference and LAMC Subsection 91.2202.3.3 is added.

Sec. 294. A new Subsection 91.2202.3.3 of Section 91.2202 is added to Division 22, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2202.3.3. Section F2. Modify Section F2.5 Item (5b) by adding the following:

(d) The use of rectangular HSS are not permitted for bracing members, unless filled solid with cement grout having a minimum compressive strength of 3000 psi (20.7 MPa) at 28 days. The effects of composite action in the filled composite brace shall be considered in the sectional properties of the system where it results in the more severe loading condition or detailing.

Sec. 295. Section 91.2204, Division 22, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 296. Subsection 91.2204.1 of Section 91.2204, Division 22, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 297. Subsection 91.2205.3 of Section 91.2204, Division 22, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 298. Subsection 91.2301.1 of Section 91.2301, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 299. Subsection 91.2304.9.1 of Section 91.2304, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 300. Subsection 91.2304.10.2 of Section 91.2304, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.2304.10.2. Fastener Requirements. Connections for wood members shall be designed in accordance with the appropriate methodology in CBC Section 2302.1. The number and size of fasteners connecting wood members shall not be less than that set forth in Table 2304.10.2. Staple fasteners in Table 2304.10.2 shall not be used to resist or transfer seismic forces in structures assigned to Seismic Design Category D, E, or F.

EXCEPTION: Staples may be used to resist or transfer seismic forces when the allowable shear values are substantiated by cyclic testing and approved by the Superintendent of Building.

Sec. 301. Subsection 91.2304.12.2.8 of Section 91.2304, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 302. Subsection 91.2305.4 of Section 91.2305, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 303. Subsection 91.2305.5 of Section 91.2305, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 304. Subsection 91.2306.2 of Section 91.2306, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 305. Subsection 91.2306.3 of Section 91.2306, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 306. Subsection 91.2306.4 of Section 91.2306, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.2306.4. Shear Walls Sheathed with Other Materials. Shear walls sheathed with Portland cement plaster, gypsum lath, gypsum sheathing or gypsum board shall be designed and constructed in accordance with AWC SDPWS. Shear walls sheathed with these materials are permitted to resist horizontal forces using the allowable shear capacities set forth in CBC Table 2306.3(3). Shear walls sheathed with Portland cement plaster, gypsum lath, gypsum sheathing or gypsum board shall not be used to resist seismic forces in structures assigned to Seismic Design Category E or F.

Shear walls sheathed with lath, plaster or gypsum board shall not be used below the top level in a multi-level building for structures assigned to Seismic Design Category D.

Sec. 307. Section 91.2308 of Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.2308. CONVENTIONAL LIGHT-FRAME CONSTRUCTION.

Section 2308 of the CBC is adopted by reference, except Sections 2308.10.1, 2308.10.5.1, 2308.10.5.2, 2308.10.8.1, 2308.10.9, 2308.10.10.2 and Table 2308.10.1 are not adopted; and, in lieu, LAMC Subdivisions and Paragraphs 91.2308.10.1, 91.2308.10.5.1, 91.2308.10.5.2, 91.2308.10.8.1, 91.2308.10.9, 91.2308.10.10.2, and LAMC Table 2308.10.1 are added.

Sec. 308. Subsection 91.2308.6.1 of Section 91.2308, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2308.10.1 and amended in its entirety to read as follows:

91.2308.10.1. Braced Wall Lines. For the purpose of determining the amount and location of bracing required along each story level of a building, braced wall lines shall be designated as straight lines through the building plan in both the longitudinal and traverse direction and placed in accordance with LAMC Table 2308.10.1 and CBC Figure 2308.10.1. Braced wall line spacing shall not exceed the distance specified in LAMC Table 2308.10.1. In structures assigned to Seismic Design Category D or E, braced wall lines shall intersect perpendicularly to each other.

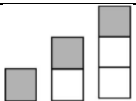

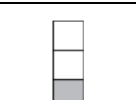
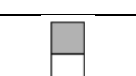
Wall framing to which sheathing used for bracing is applied shall be nominal 2 inch wide [actual 1-1/2 inch (38 mm)] or larger members. Braced wall panel construction types shall not be mixed within a braced wall line. Braced wall panels required by LAMC Section 91.2308.10.1 may be eliminated when all of the following requirements are met:



1. One story detached Group U occupancies are not more than 25 feet (7.62 m) in depth or length.
2. The roof and three enclosing walls are solid sheathed with 1/2 inch (12.7 mm) nominal thickness wood structural panels with 8d common nails placed 3/8 inches (9.525 mm) from panel edges and spaced not more than 6 inches (152.4 mm) on center along all panel edges and 12 inches (304.8 mm) on center along intermediate framing members. Wall openings for doors or windows are permitted provided a minimum 4 foot (1219.2 mm) wide wood structural braced panel with a minimum height to length ratio of 2 to 1 is provided at each end of the wall line and that the wall line be sheathed for 50% of its length.

Cripple walls bracing in Seismic Design Categories D and E shall be constructed in accordance with CBC Section 2308.10.6.2.

Sec. 309. Table 2308.6.1 following Subsection 91.2308.6.1 of Section 91.2308, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Table 2308.10.1 and amended in its entirety to read as follows:

TABLE 2308.10.1^a
WALL BRACING REQUIREMENTS

SEISMIC DESIGN CATEGORY	STORY CONDITION (SEE SECTION 2308.2)	MAXIMUM SPACING OF BRACED WALL LINES	BRACED PANEL LOCATION, SPACING (O.C.) AND MINIMUM PERCENTAGE (X)			MAXIMUM DISTANCE OF BRACED WALL PANELS FROM EACH END OF BRACED WALL LINE
			Bracing method ^b			
			LIB	DWB, WSP	SFB, PBS, PCP, HPS, Gb ^{c,d}	
A and B		35'-0"	Each end and ≤ 25'-0" o.c.	Each end and ≤ 25'-0" o.c.	Each end and ≤ 25'-0" o.c.	12'-6"
		35'-0"	Each end and ≤ 25'-0" o.c.	Each end and ≤ 25'-0" o.c.	Each end and ≤ 25'-0" o.c.	12'-6"
		35'-0"	NP	Each end and ≤ 25'-0" o.c.	Each end and ≤ 25'-0" o.c.	12'-6"
c		35'-0"	NP	Each end and ≤ 25'-0" o.c.	Each end and ≤ 25'-0" o.c.	12'-6"

		35'-0"	NP	Each end and ≤ 25'-0" o.c. (minimum 25% of wall length) ^e	Each end and ≤ 25'-0" o.c. (minimum 25% of wall length) ^e	12'-6"
D and E		25'-0"	NP	$S_{DS} < 0.50$: Each end and 25'-0" o.c. (minimum 21% of wall length) ^{e,f,g,h}	$S_{DS} < 0.50$: Each end and 25'-0" o.c. (minimum 43% of wall length) ^{e,f,g,h}	8'-0"
				$0.50 \leq S_{DS} < 0.75$: Each end and 25'-0" o.c. (minimum 32% of wall length) ^{e,f,g,h}	$0.50 \leq S_{DS} < 0.75$: Each end and 25'-0" o.c. (minimum 59% of wall length) ^{e,f,g,h}	
				$0.75 \leq S_{DS} 1.00$: Each end and 25'-0" o.c. (minimum 37% of wall length) ^{e,f,g,h}	$0.75 \leq S_{DS} 1.00$: Each end and 25'-0" o.c. (minimum 75% of wall length) ^{e,f,g,h}	
				$S_{DS} > 1.00$: Each end and 25'-0" o.c. (minimum 48% of wall length) ^{e,f,g,h}	$S_{DS} > 1.00$: Each end and 25'-0" o.c. (minimum 100% of wall length) ^{e,f,g,h}	

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

NP = Not Permitted.

- This table specifies minimum requirements for braced wall panels along interior or exterior braced wall lines.
- See Section 2308.10.3 for full description of bracing methods.
- For Method GB, gypsum wallboard applied to framing supports that are spaced at 16 inches on center.
- The required lengths shall be doubled for gypsum board applied to only one face of a braced wall panel.
- Percentage shown represents the minimum amount of bracing required along the building length (or wall length if the structure has an irregular shape).
- Minimum length of panel bracing of one face of the wall for WSP sheathing shall be at least 4'-0" long or both faces of the wall for GB sheathing shall be at least 8'-0" long; h/w ratio shall not exceed 2:1. For WSP panel bracing of the same material on two faces of the wall, the minimum length is permitted to be one-half of the tabulated value, but the h/w ratio shall not exceed 2:1 and design for uplift is required. The 2:1 h/w ratio limitation does not apply to alternate braced wall panels constructed in accordance with Section 2308.10.5.1 or 2308.10.5.2.
- Nailing as specified below shall occur at all panel edges at studs, at top and bottom plates and, where occurring, at blocking:
For 1/2-inch gypsum board, 5d (0.113-inch diameter) cooler nails at 7 inches on center;
For 5/8-inch gypsum board, No. 11 gage (0.120-inch diameter) at 7 inches on center;
For gypsum sheathing board, l-3/4 inches long by 7/16-inch head, diamond point galvanized nails at 4 inches on center;
For gypsum lath, No. 13 gage (0.092 inch) by l-1/8 inches long, 19/64-inch head, plasterboard at 5 inches on center; and
For Portland cement plaster, No. 11 gage (0.120 inch) by 1-1/2 inches long, 7/16-inch head at 6 inches on center.
- WSP sheathing shall be a minimum of 15/32" thick nailed with 8d common placed 3/8 inch from panel edges and spaced not more than 6 inches on center and 12 inches on center along intermediate framing members.

Sec. 310. Subsection 91.2308.6.5.1 of Section 91.2308, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2308.10.5.1 and amended in its entirety to read as follows:

91.2308.10.5.1. Alternate Braced Wall (ABW). An ABW shall be constructed in accordance with this Section and CBC Figure 2308.10.5.1. In one-story buildings, each panel shall have a length of not less than 2 feet 8 inches (813 mm) and a height of not more than 10 feet (3048 mm). Each panel shall be sheathed on one face with 15/32 inch (11.9 mm) minimum-thickness wood structural panel sheathing nailed with 8d

common or galvanized box nails in accordance with CBC Table 2304.10.2 and blocked at wood structural panel edges. Two anchor bolts installed in accordance with CBC Section 2308.7.1 shall be provided in each panel. Anchor bolts shall be placed at each panel outside quarter points. Each panel end stud shall have a hold-down device fastened to the foundation, capable of providing an approved uplift capacity of not less than 1,800 pounds (8006 N). The hold-down device shall be installed in accordance with the manufacturer's recommendations. The ABW shall be supported directly on a foundation, or on floor framing supported directly on a foundation that is continuous across the entire length of the braced wall line. This foundation shall be reinforced with not less than one No. 4 bar top and bottom. Where the continuous foundation is required to have a depth greater than 12 inches (305 mm), a minimum 12 inch by 12 inch (305 mm by 305 mm) continuous footing or turned-down slab edge is permitted at door openings in the braced wall line. This continuous footing or turned-down slab edge shall be reinforced with not less than one No. 4 bar top and bottom. This reinforcement shall be lapped 15 inches (381 mm) with the reinforcement required in the continuous foundation located directly under the braced wall line.

Where the ABW is installed at the first story of a two-story building, the wood structural panel sheathing shall be provided on both faces, three anchor bolts shall be placed at one-quarter points, and tie-down device uplift capacity shall be not less than 3,000 pounds (13 344 N).

Sec. 311. Subsection 91.2308.6.5.2 of Section 91.2308, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2308.10.5.2 and amended in its entirety to read as follows:

91.2308.10.5.2. Portal Frame with Hold-downs (PFH). A PFH shall be constructed in accordance with this section and CBC Figure 2308.10.5.2. The adjacent door or window opening shall have a full-length header.

In one-story buildings, each panel shall have a length of not less than 16 inches (406 mm) and a height of not more than 10 feet (3048 mm). Each panel shall be sheathed on one face with a single layer of 15/32 inch (11.9 mm) minimum-thickness wood structural panel sheathing nailed with 8d common or galvanized box nails in accordance with CBC Figure 2308.10.5.2. The wood structural pane sheathing shall extend up over the solid sawn or glued-laminated header and shall be nailed in accordance with CBC Figure 2308.10.5.2. A built-up header consisting of at least two 2 inch by 12 inch (51 mm by 305 mm) boards, fastened in accordance with Item 24 of CBC Table 2304.10.2 shall be permitted to be used. A spacer, if used, shall be placed on the side of the built-up beam opposite the wood structural panel sheathing. The header shall extend between the inside faces of the first full-length outer studs of each panel. The clear span of the header between the inner studs of each panel shall be not less than 6 feet (1829 mm) and not more than 18 feet (5486 mm) in length. A strap with an uplift capacity of not less than 1,000 pounds (4400 N) shall fasten the header to the inner studs opposite the sheathing. One anchor bolt not less than 5/8 inch (15.9 mm) in diameter and installed in accordance with CBC Section 2308.7.1 shall be provided in

the center of each sill plate. The studs at each end of the panel shall have a hold-down device fastened to the foundation with an uplift capacity of not less than 3,500 pounds (15 570 N).

Where a panel is located on one side of the opening, the header shall extend between the inside face of the first full-length stud of the panel and the bearing studs at the other end of the opening. A strap with an uplift capacity of not less than 1,000 pounds (4400 N) shall fasten the header to the bearing studs. The bearing studs shall also have a hold-down device fastened to the foundation with an uplift capacity of not less than 1,000 pounds (4400 N). The hold-down devices shall be an embedded strap type, installed in accordance with the manufacturer's recommendations. The PFH panels shall be supported directly on a foundation that is continuous across the entire length of the braced wall line. This foundation shall be reinforced with not less than one No. 4 bar top and bottom. Where the continuous foundation is required to have a depth greater than 12 inches (305 mm), a minimum 12 inch by 12 inch (305 mm by 305 mm) continuous footing or turned-down slab edge is permitted at door openings in the braced wall line. This continuous footing or turned-down slab edge shall be reinforced with not less than one No. 4 bar top and bottom. This reinforcement shall be lapped not less than 15 inches (381 mm) with the reinforcement required in the continuous foundation located directly under the braced wall line.

Where a PFH is installed at the first story of a two-story building, each panel shall have a length of not less than 24 inches (610 mm).

Sec. 312. Subsection 91.2308.6.8.1 of Section 91.2308, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2308.10.8.1 and amended in its entirety to read as follows:

91.2308.10.8.1. Foundation Requirements. Braced wall lines shall be supported by continuous foundations.

EXCEPTION: For structures with a maximum plan dimension not over 50 feet (15.24 m), continuous foundations are required at exterior walls only for structures not assigned to Seismic Design Category D, E or F.

For structures in Seismic Design Categories D and E, exterior braced wall panels shall be in the same plane vertically with the foundation or the portion of the structure containing the offset shall be designed in accordance with accepted engineering practice and CBC Section 2308.3.

EXCEPTIONS:

1. Exterior braced wall panels shall be permitted to be located not more than 4 feet (1219 mm) from the foundation below where supported by a floor constructed in accordance with all of the following:

1.1. Cantilevers or setbacks shall not exceed four times the nominal depth of the floor joists.

1.2. Floor joists shall be 2 inches by 10 inches (51 mm by 254 mm) or larger, and spaced not more than 16 inches (406 mm) on center.

1.3. The ratio of the back span to the cantilever shall be not less than 2 to 1.

1.4. Floor joists at ends of braced wall panels shall be doubled.

1.5. A continuous rim joist shall be connected to the ends of cantilevered joists. The rim joist is permitted to be spliced using a metal tie not less than 0.058 inch (1.47 mm) (16 galvanized gage) and 1-1/2 inches (38 mm) in width fastened with six 16d common nails on each side. The metal tie shall have a yield stress not less than 33,000 psi (227 MPa).

1.6. Joists at setbacks or the end of cantilevered joists shall not carry gravity loads from more than a single story having uniform wall and roof loads nor carry the reactions from headers having a span of 8 feet (2438 mm) or more.

2. The end of a required braced wall panel shall be allowed to extend not more than 1 foot (305 mm) over an opening in the wall below. This requirement is applicable to braced wall panels offset in plane and braced wall panels offset out of plane, as permitted by Exception 1. Braced wall panels are permitted to extend over an opening not more than 8 feet (2438 mm) in width where the header is a 4 inch by 12 inch (102 mm by 305 mm) or larger member.

Sec. 313. Subsection 91.2308.6.9 of Section 91.2308, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2308.10.9 and amended in its entirety to read as follows:

91.2308.10.9. Attachment of Sheathing. Fastening of braced wall panel sheathing shall not be less than that prescribed in LAMC Table 2308.10.1 and CBC Table 2304.10.2. Wall sheathing shall not be attached to framing members by adhesives.

Staple fasteners in CBC Table 2304.10.2 shall not be used to resist or transfer seismic forces in structures assigned to Seismic Design Category D, E, or F.

EXCEPTION: Staples may be used to resist or transfer seismic forces when the allowable shear values are substantiated by cyclic testing and approved by the Superintendent of Building.

All braced wall panels shall extend to the roof sheathing and shall be attached to parallel roof rafters or blocking above with framing clips (18 gauge minimum) spaced at maximum 24 inches (6096 mm) on center four 8d nails per leg (total 8d nails per clip). Braced wall panels shall be laterally braced at each top corner and at maximum 24 inch (6096 mm) intervals along the top plate of discontinuous vertical framing.

Sec. 314. Subsection 91.2308.6.10.2 of Section 91.2308, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2308.10.10.2 and amended in its entirety to read as follows:

91.2308.10.10.2. Limitations of concrete or masonry in Seismic Design Categories D and E. In seismic Design Categories D and E, concrete or masonry walls and stone or masonry veneer shall not extend above a basement.

EXCEPTION: In structures assigned to Seismic Design Category D, stone and masonry veneer is permitted to be used in the first story above grade plane, provided the following criteria are met:

1. The type of brace in accordance with LAMC Subdivision 91.2308.10.1 shall be WSP, and the allowable shear capacity in accordance with LAMC Section 91.2306.3 shall be not less than 350 plf (5108 N/m).
2. The braced wall panels in the first story shall be located at each end of the braced wall line and not more than 25 feet (7620 mm) off center, and the total length of braced wall panels shall be not less than 45 percent of the braced wall line length.
3. Hold-down connectors shall be provided at the ends of braced walls for the first floor to foundation with an allowable capacity of 2,100 pounds (9341 N).
4. Cripple walls shall not be permitted.
5. Anchored masonry and stone wall veneer not exceeding 5 inches (127 mm) in thickness shall conform to the requirements of Division 14, Article 1, Chapter IX of the Los Angeles Municipal Code and shall not extend more than 5 feet (1524 mm) above the first-story finished floor.

Sec. 315. The title and table of contents of Division 25 of Article 1, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

**DIVISION 25
GYPSUM PANEL PRODUCTS AND PLASTER**

Section
91.2503 Inspections.

Sec. 316. Subsection 91.2503.1 of Section 91.2503, Division 25, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 317. Subsection 91.2702.2.11.1 of Section 91.2702, Division 27, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 318. Subsection 91.2702.2.16.1 of Section 91.2702, Division 27, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 319. Subsection 91.2702.2.19.1 of Section 91.2702, Division 27, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 320. The title and table of contents of Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

**DIVISION 30
ELEVATORS AND CONVEYING SYSTEMS**

Section
91.3000 Basic Provisions.
91.3001 General.
91.3002 Hoistway Enclosures.
91.3003 Emergency Operations.
91.3004 Conveying Systems.
91.3005 Machine Rooms.
91.3007 Fire Service Access Elevator.
91.3008 Occupant Evacuation Elevators.

Sec. 321. Subsection 91.3001.1 of Section 91.3001, Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 322. Table 91.3001.3 following Subsection 91.3001.1 of Section 91.3001, Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 323. Subsection 91.3002.8 of Section 91.3002, Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 324. Section 91.3004 of Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.3004. CONVEYING SYSTEMS.

Section 3004 of the CBC is adopted by reference.

Sec. 325. Section 91.3005 of Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.3005. MACHINE ROOMS.

Section 3005 of the CBC is adopted by reference.

Sec. 326. Subsection 91.3007.1 of Section 91.3007, Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 327. Subsection 91.3008.1 of Section 91.3008, Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted.

Sec. 328. Subsection 91.3008.1.1 of Section 91.3008, Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 329. Subsection 91.3008.8.1 of Section 91.3008, Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 330. The title and table of contents of Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

**DIVISION 31
SPECIAL CONSTRUCTION**

Section

91.3100 Basic Provisions.

91.3106 Marquees.

91.3108 Telecommunication and Broadcast Towers.

91.3109 Swimming Pool Enclosures and Safety Devices.

91.3115 Patio Covers.

Sec. 331. Subsection 91.3106.1 of Section 91.3106, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 332. Subsection 91.3108.1 of Section 91.3108, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 333. Section 91.3109 of Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.3109. SWIMMING POOL ENCLOSURES AND SAFETY DEVICES.

Section 3109 of the CBC is adopted by reference and LAMC Subsections 91.3109.3, 91.3109.4 and Subdivisions 91.3109.4.1 and 91.3109.4.1.1 are added.

Sec. 334. Subsection 91.3109.3 of Section 91.3109, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 335. Subsection 91.3109.4 of Section 91.3109, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 336. Subsection 91.3109.4.1 of Section 91.3109, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 337. Subsection 91.3109.4.1.7 of Section 91.3109, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.3109.4.1.1 and amended in its entirety to read as follows:

91.3109.4.1.1. Access doors or gates shall comply with the requirements of CBC Sections 3109.11 through 3109.2 and shall be equipped to accommodate a locking device.

Release mechanisms shall be in accordance with CBC Section 1010.2.

Sec. 338. Section 91.3112 of Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 339. Subsection 91.3112.1 of Section 91.3112, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 340. Subsection 91.3112.2 of Section 91.3112, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 341. Subsection 91.3112.3 of Section 91.3112, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 342. Subsection 91.3112.4 of Section 91.3112, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 343. A new Section 91.3115 is added to Division 31 of Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.3115. PATIO COVERS.

Appendix I of the CBC is adopted except as amended herein.

Sec. 344. A new Subsection 91.3115.1 of Section 91.3115 is added to Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.3115.1. General. Section I101.1 of Appendix I of the CBC is adopted by reference.

Sec. 345. A new Subsection 91.3115.2 of Section 91.3115 is added to Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.3115.2. Definitions. The following word and term shall, for the purposes of Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code, have the meaning shown herein.

Patio Cover. One-story structures not exceeding 12 feet (3657 mm) in height. Enclosure walls shall be permitted to be of any configuration, provided the open or glazed area of the longer wall and one additional wall is equal to at least 65% of the area below a minimum of 6 feet 8 inches (2013 mm) of each wall, measured from the floor.

Sec. 346. A new Subsection 91.3115.3 of Section 91.3115 is added to Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.3115.3. Exterior Walls and Openings. Section I103 of Appendix I of the CBC is adopted by reference.

Sec. 347. A new Subsection 91.3115.4 of Section 91.3115 is added to Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.3115.4. Height. Section I104 of Appendix I of the CBC is adopted by reference.

Sec. 348. A new Subsection 91.3115.5 of Section 91.3115 is added to Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.3115.5. Structural Provisions. Section I105 of Appendix I of the CBC is adopted by reference.

Sec. 349. The title and table of contents of Division 32, Article 1, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 32 ENCROACHMENTS INTO THE PUBLIC RIGHT-OF-WAY

Section
91.3200 Basic Provisions.
91.3201 General.
91.3202 Encroachments.

Sec. 350. Subsection 91.3201.1 of Section 91.3201, Division 32, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 351. Subsection 91.3201.3 of Section 91.3201, Division 32, Article 1,

Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 352. Subsection 91.3202.3.1 of Section 91.3202, Division 32, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 353. The title and table of contents of Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 33 SAFEGUARDS DURING CONSTRUCTION

Section

- 91.3300 Basic Provisions.
- 91.3301 General.
- 91.3304 Site Work.
- 91.3305 Sanitary.
- 91.3306 Protection of Pedestrians.
- 91.3307 Protection of Adjacent Property.

Sec. 354. Subsection 91.3301.1 of Section 91.3301, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.3301.1. Scope. The provisions of this division shall govern safety during construction and the protection of adjacent public and private properties. Fire safety during construction shall also comply with the applicable provisions of Chapter 33 of the California Fire Code.

This section shall not be construed to waive the requirements of the General Safety Orders of the Department of Industrial Relations of the State of California, or the provisions of California Civil Code Section 832 concerning the rights of coterminal owners as to excavations.

See Division 70, Article 1, Chapter IX of the LAMC for all grading, excavation and fill requirements.

Sec. 355. Subsection 91.3304.1.4 of Section 91.3304, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 356. Section 91.3305 of Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.3305. SANITARY.

Section 3305 of the CBC is not adopted; and, in lieu, LAMC Subsections 91.3305.1 and 91.3305.2 are added.

Sec. 357. Subsection 91.3305.1 of Section 91.3305, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 358. Subsection 91.3305.2 of Section 91.3305, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 359. Subsection 91.3306.1 of Section 91.3306, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 360. Subsection 91.3307.1 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 361. Subsection 91.3307.2 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 362. Subsection 91.3307.2.1 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 363. Subsection 91.3307.2.2 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 364. Subsection 91.3307.3 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 365. Subsection 91.3307.3.1 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 366. Subsection 91.3307.3.2 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 367. Division 61 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 368. Section 91.6102 of Division 61, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 369. Division 62 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 370. Subsection 91.6205.1 of Section 91.6205, Division 62, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.6205.1. General Requirements. Signs shall be designed and constructed to comply with the provisions of this Code for use of materials, loads and stresses. Glass

panels used in signs shall comply with the size, thickness and type of glass as shown in Table H115.1(1) of Appendix H of the CBC. The use, location, size, area and height of the sign shall comply with the provisions of this Code and Chapter I of the LAMC, whichever is more restrictive. Table H115.1(1) of Appendix H of the CBC is adopted by reference.

Sec. 371. Section 91.6212 of Division 62, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.6212. PROJECTING SIGNS.

Table H115.1(2) of Appendix H of the CBC is adopted by reference.

Sec. 372. Section 91.6302 of Division 63, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 373. Section 91.6303, Division 63, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 374. Subsection 91.6304.1 of Section 91.6304, Division 63, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 375. Subsection 91.6304.2 of Section 91.6304, Division 63, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 376. Subsection 91.6304.3 of Section 91.6304, Division 63, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read:

91.6304.3. Additional Requirements for Installation of Bars, Grills, Grates or Similar Devices. In addition to the requirements of CBC Section 1031 and 1010.3.4 all bars, grills, grates or similar devices shall comply with the following:

1. A permit is obtained from the Department and a fee is paid as required in LAMC Subdivision 91.107.4.5. Any permit so issued shall be valid for a period of 90 days from its issuance. The Department may allow a "certified installer" to be used, in lieu of obtaining a permit, in accordance with LAMC Section 91.1712.

2. Any person who willfully or knowingly, with the intent to deceive, makes a false statement or representation, or knowingly fails to disclose a material fact in any documentation required by the Department to ascertain facts relative to this section, LAMC Subdivision 91.107.4.5 or to Section 91.1712, including any oral or written evidence presented, shall be guilty of a misdemeanor.

Sec. 377. Section 91.6703 of Division 67, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read:

SEC. 91.6703. LIMITATIONS.

The provisions of this division shall not be applicable to latching or locking devices on exit doors to the extent that the provisions of this division are contrary to the provisions of CBC Section 402.8.8 or CBC Chapter 10, nor shall the regulations of this division be construed to waive any other provision of this Code.

No person shall sell, offer for sale, advertise, display for sale or install any metal bars, grilles, grates, security roll-down shutters or similar devices manufactured or installed to preclude human entry through windows and exterior doors without a label attached to each product, printed in at least ten-point type and that reads as follows: "A building permit is required in most cases for the installation of this product. If this product is installed in a sleeping room, unless excepted by the provisions of CBC Section 1031, the device must be equipped with a quick-release latch operable from inside and the dwelling unit provided with an approved smoke detector."

Sec. 378. Subsection 91.6709.2 of Section 91.6709, Division 67, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.6709.2. Unless prohibited by CBC Section 1010.2.4 a single swinging door, the active leaf of a pair of doors, and the bottom leaf of Dutch doors shall be equipped with a deadbolt and deadlocking latch. The deadbolt and latch may be activated by one lock or by individual locks. Deadbolts shall contain hardened inserts to repel cutting tools. The lock or locks shall be key-operated from the exterior side of the door and openable from the interior side by a device which does not require a key, special knowledge, or special effort to operate.

EXCEPTIONS:

1. The latch may be omitted from doors in Group B, F, M, S Occupancies.
2. In other than residential buildings, locks may be key operated on the inside when not prohibited by the provisions of CBC Section 402.8.8 or CBC Chapter 10.
3. A swinging door greater than five feet in width may be secured as set forth in Section 91.6711.

A straight deadbolt shall have a minimum throw of one inch and an embedment of not less than 5/8 inch into the holding device receiving the projected bolt. A hook-shaped or an expanding-lug deadbolt shall have a minimum throw of 3/4-inch. All deadbolts of locks which automatically activate two or more deadbolts shall embed at least 1/2-inch into the holding devices receiving the projected bolts.

Sec. 379. Section 91.6713 of Division 67, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 380. Section 91.6714 of Division 67, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 381. Section 91.6715 of Division 67, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 382. Section 91.6716 of Division 67, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 383. Section 91.6717 of Division 67, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 384. Division 70 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged and is readopted except as amended herein.

Sec. 385. Division 71 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged and is readopted except as amended herein.

Sec. 386. Subsection 91.7104.3.5 of Section 91.7104, Division 71, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.7104.3.5. Residential. One- and two-family dwellings, townhouses, and buildings accessory to these structures shall comply with all the Methane Mitigation requirements of LAMC Table 71, except that the following mitigation system may be substituted:

A. Single Station Gas Detectors with battery back-up may be installed in lieu of Alarm System and Gas Detection System; or

B. 6 mil thick durable polyethylene plastic sheeting may be used in lieu of Impervious Membrane, when the Site Design Levels are I or II; or

C. Additional Vent Risers or Mechanical Ventilation may be omitted for buildings with width less than 50 feet and footprint less than 6,000 square feet in area; or

D. Vent Risers may be substituted in lieu of Mechanical Extraction System, provided the Vent Risers are designed at a rate twice that established by the Methane Mitigation Standards.

Sec. 387. Division 72 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged and is readopted except as amended herein.

Sec. 388. Subsection 91.7201.2 of Section 91.7201, Division 72, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.7201.2. Very High Fire Hazard Severity Zone. The Very High Fire Hazard Severity Zone shall be considered a Fire District. The Very High Fire Hazard Severity Zone shall be all of the territory so designated by the boundaries shown on the Very High Fire Hazard Severity Zone Map as shown in LAMC Figure 57.1.302.3.1 and adopted by the City Council.

Sec. 389. A new Subsection 91.7201.4 is added to Section 91.7201 of Division 72, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.7201.4. Wildland-Urban Interface Code. In addition to the provisions and regulations of this code, buildings and structures within any Fire Hazard Severity Zone or Wildland-Urban Interface Area shall comply with the provisions of the California Wildland-Urban Interface Code (CWUIC), and Article 7.1 in Chapter V of the LAMC.

Sec. 390. Division 81 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged and is readopted except as amended herein.

Sec. 391. Section 91.8110 of Division 81, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 392. Division 82 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged and is readopted except as amended herein.

Sec. 393. Division 83 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged and is readopted except as amended herein.

Sec. 394. Division 85 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged and is readopted except as amended herein.

Sec. 395. Division 86 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged and is readopted except as amended herein.

Sec. 396. Division 88 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged and is readopted except as amended herein.

Sec. 397. Division 89 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged and is readopted except as amended herein.

Sec. 398. Division 90 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged and is readopted except as amended herein.

Sec. 399. Division 91 of Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged and is readopted except as amended herein.

Sec. 400. Subsection 91.9108.3 of Section 91.9108, Division 91, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9108.3. Development of Anchor Loads into the Diaphragm. Development of anchor loads into roof and floor diaphragms shall comply with CBC Section 1616.33 and Section 12.11 of ASCE 7.

EXCEPTION: If continuously tied girders are present, then the maximum spacing of the continuity ties is the greater of the girder spacing or 24 feet (7315 mm).

In wood diaphragms, anchorage shall not be accomplished by use of toe nails or nails subject to withdrawal, nor shall wood ledgers, top plates or framing be used in cross-grain bending or cross-grain tension. The continuous ties required by CBC Section 1616.3.3 and Section 12.11 of ASCE 7 shall be in addition to the diaphragm sheathing.

Lengths of development of anchor loads in wood diaphragms shall be based on existing field nailing of the sheathing unless existing edge nailing is positively identified on the original construction plans or at the site.

At reentrant corners, continuity collectors may be required for existing return walls not designed as shear walls, to develop into the diaphragm a force equal to the lesser of the rocking or shear capacity of the return wall, or the tributary shear, but not exceeding the capacity of the diaphragm. Shear anchors for the return wall shall be commensurate with the collector force. If a truss or beam, other than rafters or purlins, is supported by the return wall or by a column integral with the return wall, an independent secondary column, is required to support the roof or floor members whenever rocking or shear capacity of the return wall is governing.

Seismic deflection shall be determined at the return walls, and fins/canopies at entrances, to ensure deflection compatibility with the diaphragm, by either seismically isolating the element or attaching the element and integrating its load into the diaphragm.

Sec. 401. The title and table of contents of Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

ARTICLE 1.2 AMENDMENTS TO THE CALIFORNIA EXISTING BUILDING CODE

Division

1 Administration

2 Definitions
3 Provisions for All Compliance Methods
4 Repairs
5 Prescriptive Compliance Method
6 Classification of Work
7 Alterations – Level 1
8 Alterations – Level 2
9 Alterations – Level 3
10 Change of Occupancy
11 Additions
12 Historic Buildings
13 Performance Compliance Methods
14 Relocated or Moved Buildings
15 Construction Safeguards
16 Referenced Standards

Appendix A, Chapter A1
Appendix A, Chapter A2
Appendix A, Chapter A3
Appendix A, Chapter A4
Appendix A, Chapter A5
Resource A

Sec. 402. The title and table of contents of Division 1, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 1 ADMINISTRATION

Section

91.2.100 Basic Provisions.

91.2.101 Scope and General Requirements.

Sec. 403. Section 91.2.100 of Division 1, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 91.2.100. BASIC PROVISIONS.

The Los Angeles Existing Building Code adopts by reference portions of the 2025 California Existing Building Code (CEBC). Chapter 1 of the CEBC is not adopted. Article 1, Division 1 of Chapter IX of the Los Angeles Municipal Code is adopted by reference with the following additions and amendments.

Sec. 404. Section 91.2.101 of Division 1, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 91.2.101. SCOPE AND GENERAL REQUIREMENTS.

Sec. 405. A new Subsection 91.2.101.1 is added to Section 91.2.101 of Division 1, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.101.1 Title. Article 1.2 of Chapter IX of the Los Angeles Municipal Code (LAMC) shall collectively be known as the Los Angeles Existing Building Code or LAEBC.

Sec. 406. A new Subsection 91.2.101.2 is added to Section 91.2.101 of Division 1, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.101.2 Scope. The provisions of the LAEBC shall apply to repair, alteration, change of occupancy, addition to and relocation of every existing building or structure or any appurtenances connected or attached to such buildings or structures throughout the City of Los Angeles (City). Wherever the word "Code" is used in this article it shall mean the Los Angeles Existing Building Code.

Sec. 407. Section 91.2.102 of Division 1, Article 1.2, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 408. The title and table of contents of Division 2, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 2 DEFINITIONS

Section

91.2.200 Basic Provisions.

91.2.202 General Definitions

Sec. 409. Section 91.2.201 of Division 2, Article 1.2, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 410. A new Section 91.2.202 is added to Division 2 of Article 1.2 Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2.202. GENERAL DEFINITIONS.

Section 202 of the CEBC is adopted by reference, except that the following CEBC definitions are not adopted:

CODE OFFICIAL.

BUILDING OFFICIAL.

The following definitions are adopted:

CODE OFFICIAL. See Building OFFICIAL.

BUILDING OFFICIAL. See Los Angeles Municipal Code Section 91.202.

Sec. 411. The title and table of contents of Division 3, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

**DIVISION 3
PROVISIONS FOR ALL COMPLIANCE METHODS**

Section

91.2.300 Basic Provisions.

91.2.302 General Provisions.

Sec. 412. Section 91.2.300 of Division 3, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.2.300. BASIC PROVISIONS.

Chapter 3 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 413. Subsection 91.2.302.3 of Section 91.2.300, Division 3, Article 1.2, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 414. Subsection 91.2.302.6 of Section 91.2.300, Division 3, Article 1.2, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 415. Subsection 91.2.302.7 of Section 91.2.300, Division 3, Article 1.2, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 416. A new Section 91.2.302 is added to Division 3 of Article 1.2 Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2.302. GENERAL PROVISIONS.

Section 302 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 417. A new Subsection 91.2.302.3 of Section 91.2.302 is added to Division 3, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.302.3. Existing Materials. Materials already in use in a building in compliance with requirements or approvals in effect at the time of their erection or installation shall be permitted to remain in use unless determined by the Building Official to be unsafe pursuant to CEBC Section 115.

Replacement, Retention and Extension of Original Materials. The replacement, retention and extension of original materials, and the use of original methods of construction, for any building or accessory structure may remain, provided the aggregate value of work in any 12 month period does not exceed 10 percent of the replacement value, and provided further that no hazardous conditions exist and provided such building or structure complied with the building code provision in effect at the time of original construction and the building or accessory structure does not become or continue to be a substandard building.

EXCEPTIONS:

1. Replacement, retention and extension of unreinforced masonry wall is not permitted.
2. Alteration, repair or rehabilitation of the existing portion in excess of 10 percent of the replacement value of a building or structure may be made provided that all the work conforms to this Code for a new building and that no hazardous condition or substandard building is continued or created in the remainder of the building as a result of such work.

Sec. 418. A new Subsection 91.2.302.6 of Section 91.2.302 is added to Division 3, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.302.6. Maintenance. Buildings and structures, and parts thereof, shall be maintained in a safe and sanitary condition. Devices or safeguards which are required by the CBC and this Code shall be maintained in conformance with the code edition under which installed. The owner or the owner's designated agent shall be responsible for the maintenance of buildings and structures. To determine compliance with this subsection, the Department shall have the authority to require a building or structure to be reinspected. The requirements of this division shall not provide the basis for removal or abrogation of fire protection and safety systems and devices in existing structures. Maintenance of buildings and structures shall comply with Divisions 81 and 86 of Article 1, Chapter IX of the LAMC.

Sec. 419. A new Subsection 91.2.302.7 of Section 91.2.302 is added to Division 3, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.302.7. Compliance. Alterations, repairs, additions and changes of occupancy to, or relocation of, existing structure shall comply with the provisions for alterations, repairs, additions and changes of occupancy in the Los Angeles Fire Code, Los Angeles Mechanical Code, Los Angeles Plumbing Code, Los Angeles Residential Code and Los Angeles Electrical Code.

Where there are different requirements in this Code, the most restrictive requirement shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable.

Sec. 420. The title and table of contents of Division 4, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 4 REPAIRS

Section
91.2.400 Basic Provisions.
91.2.401 General.

Sec. 421. Subsection 91.2.401 of Section 91.2.400, Division 4, Article 1.2, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 422. A new Section 91.2.401 is added to Division 4 of Article 1.2 Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2.401. GENERAL.

Section 401 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 423. A new Subsection 91.2.401.1 of Section 91.2.401 is added to Division 4, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.401.1 Scope. Repairs shall comply with the requirements of this division. Repairs to historic buildings and structures shall comply with Part 8, Title 24, C.C.R. [OSHDP 1R, 2, 4, & 5] Repairs to historic buildings not adopted by OSHPD. Repairs shall comply with the requirements in the California Building Code, Sections 1224.2, 1225.2, 1226.2, 1227.2 and 1228.2 for functional requirements as applicable. In addition to the requirements of the CEBC, existing buildings and structures shall comply with the applicable regulations of Divisions 81, 82, 83, 84, 85, 86, 88, 89, 91, 93, 95 and 97 of the Los Angeles Building Code (LABC), at Article 1, Chapter IX of the LAMC, Appendix A Chapters A1, A2, A3, A4 and A5 of the LAEBC, and the voluntary earthquake hazard reduction standards of Divisions 92, 94 and 96 of Article 1, Chapter IX of the LAMC.

Sec. 424. The title and table of contents of Division 5, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 5 PRESCRIPTIVE COMPLIANCE METHOD

Section
91.2.500 Basic Provisions.
91.2.501 General.
91.2.502 Additions.
91.2.503 Alterations.

91.2.506 Change of Occupancy.

Sec. 425. Subsection 91.2.501.1 of Section 91.2.500, Division 5, Article 1.2, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 426. Subsection 91.2.502.5 of Section 91.2.500, Division 5, Article 1.2, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 427. Subsection 91.2.503.4 of Section 91.2.500, Division 5, Article 1.2, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 428. Subsection 91.2.506.5.3 of Section 91.2.500, Division 5, Article 1.2, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 429. A new Section 91.2.501 is added to Division 5 of Article 1.2 Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2.501. GENERAL.

Section 501 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 430. A new Subsection 91.2.501.1 of Section 91.2.501 is added to Division 5, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.501.1. Scope. The provisions of this division shall control the alternation, addition and change of occupancy of existing buildings and structures, including historic buildings and structures, [BSC] including state-regulated structures in accordance with Section 501.1.2 of the CEBC. Historic buildings and structures shall comply with Part 8, Title 24, C.C.R. In addition to the requirements of the CEBC, existing buildings and structures shall comply with the applicable regulations of Divisions 81, 82, 83, 84, 85, 86, 88, 89, 91, 93, 95 and 97 of the Los Angeles Building Code (LABC), Article 1, Chapter IX of the LAMC, Appendix A Chapters A1, A2, A3, A4 and A5 of the LAEBC, and the voluntary earthquake hazard reduction standards of Divisions 92, 94 and 96 of Article 1, Chapter IX of the LAMC.

Sec. 431. A new Subsection 91.2.501.6 of Section 91.2.501 is added to Division 5, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.501.6. Unreinforced Masonry Buildings. For unreinforced masonry (URM) buildings with an approved occupant load greater than 100, the occupant load may be increased by a maximum of 10 percent as long as the Rating Class or Risk Category is not changed.

If the occupant load increase is over 10 percent, then compliance with CEBC Appendix Chapter A1 is required as long as there is no change in Risk Category. If

there is a change in Risk Category, then compliance with CEBC Section 304.3.1 is required.

Sec. 432. A new Section 91.2.502 is added to Division 5 of Article 1.2 Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2.502. ADDITIONS.

Section 502 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 433. A new Subsection 91.2.502.4 of Section 91.2.502 is added to Division 5, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.502.4. Existing Structural Elements Carrying Lateral Load. Where the addition is structurally independent of the existing structure, existing lateral load-carrying structural elements shall be permitted to remain unaltered. Where the addition is not structurally independent of the existing structure, the lateral force-resisting system of the existing structure and its addition acting together as a single structure shall comply with Section 1609 of the California Building Code and with Section 304.3.1 of this code.

EXCEPTIONS:

1. Except for Unreinforced Masonry (URM) Buildings, any existing lateral load-carrying structural element whose demand-capacity ratio with the addition considered is not more than 10 percent greater than its demand-capacity ratio with the addition ignored shall be permitted to remain unaltered. For purposes of calculating demand-capacity ratios, the demand shall consider applicable load combinations with design lateral loads or forces in accordance with Sections 1609 and 1613 of the California Building Code. For purposes of this exception, comparisons of demand-capacity ratios and calculation of design lateral loads, forces and capacities shall account for the cumulative effects of additions and alterations since original construction. When calculating demand-capacity ratios for wind, the date of original construction shall be permitted to be taken as the date of completion of a prior addition, alteration or repair in compliance with Section 1609 of the California Building Code or the code wind forces in effect at the time. When calculating demand-capacity ratios for earthquake, the date of original construction shall be permitted to be taken as the date of completion of a prior addition, alteration or repair in compliance with CEBC Section 304.3.1 or the full seismic forces in effect at the time.

The additions do not create structural irregularity as defined in ASCE 7 or make an existing structural irregularity more severe.

2. For Unreinforced Masonry (URM) Buildings, any existing lateral load

carrying structural element whose demand-capacity ratio with the addition considered is less than 10 percent greater than its demand-capacity ratio with the addition ignored, must comply with CEBC Appendix Chapter A1. Any existing lateral load-carrying structural element whose demand-capacity ratio with the addition considered is 10 percent or greater than its demand-capacity ratio with the addition ignored, must comply with CEBC Section 304.3.1.

3. Buildings of Group R occupancy with not more than five dwelling or sleeping units used solely for residential purposes where the existing building and the addition together comply with the conventional light-frame construction methods of the California Building Code or the provisions of the California Residential Code.

Sec. 434. A new Section 91.2.503 is added to Division 5, Article 1.2 Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2.503. ALTERATIONS.

Section 503 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 435. A new Subsection 91.2.503.4 of Section 91.2.500 is added to Division 5, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.503.4. Existing Structural Elements Carrying Lateral Load. Except as permitted by CEBC Section 503.13, where the alteration increases design lateral loads, results in a prohibited structural irregularity as defined in ASCE 7, or decreases the capacity of any existing lateral load-carrying structural element, the lateral force-resisting system of the altered building or structure shall meet the requirements of Section 1609 of the California Building Code and Section 304.3.2 of this code. Reduced seismic loads, in accordance with CEBC Section 304.3.2, shall be permitted provided the reduced seismic load is not less than the original building permitted seismic loads.

EXCEPTIONS:

1. Except for Unreinforced Masonry Buildings (URM), any existing lateral load-carrying structural element whose demand-capacity ratio with the alteration considered is not more than 10 percent greater than its demand-capacity ratio with the alteration ignored shall be permitted to remain unaltered. For purposes of calculating demand-capacity ratios, the demand shall consider applicable load combinations with design lateral loads or forces in accordance with Section 1609 of the California Building Code and Section 304.3.1 or 304.3.2 of this code. The same methodology shall be used for the altered and unaltered structures. For purposes of this exception, comparisons of demand-capacity ratios and calculation of design

lateral loads, forces and capacities shall account for the cumulative effects of additions and alterations since original construction. When calculating demand-capacity ratios for wind, the date of original construction shall be permitted to be taken as the date of completion of a prior addition, alteration or repair in compliance with Section 1609 of the California Building Code or the code wind forces in effect at the time. When calculating demand-capacity ratios for earthquake, the date of original construction shall be permitted to be taken as the date of completion of a prior addition, alteration or repair in compliance with CEBC Section 304.3.1 or CEBC Section 304.3.2, Item 1 or 3, or the full or reduced seismic forces in effect at the time. Reduced seismic loads, in accordance with CEBC Section 304.3.2, shall be permitted provided the reduced seismic load is not less than the original building permitted seismic loads.

The alternations do not create structural irregularity as defined in ASCE 7 or make an existing structural irregularity more severe.

2. For Unreinforced Masonry (URM) Buildings, any existing lateral load-carrying structural element whose demand-capacity ratio with the alteration considered is less than 10 percent greater than its demand-capacity ratio with the alteration ignored, must comply with CEBC Appendix Chapter A1. Any existing lateral load-carrying structural element whose demand-capacity ratio with the alteration considered is 10 percent or greater than its demand-capacity ratio with the alteration ignored, must comply with CEBC Section 304.3.1.

Structural analysis per CEBC Appendix Chapter A1 is required for any alterations to crosswalls or diaphragms.

3. Except for Unreinforced Masonry Buildings (URM), buildings in which the increase in the demand-capacity ratio is due entirely to the addition of rooftop-supported mechanical equipment individually having an operating weight less than 400 pounds (181.4 kg) and where the total additional weight of all rooftop equipment placed after initial construction of the building is less than 10 percent of the roof dead load. For purposes of this exception, "roof" shall mean the roof level above a particular story

4. Except for Unreinforced Masonry Buildings (URM), increases in the demand-capacity ratio due to lateral loads from seismic forces need not be evaluated for the installation of rooftop photovoltaic panel systems where the additional roof dead load due to the system, including ballast where applicable, does not exceed 5 pounds per square foot (psf) (0.2394 kN/m²) and does not exceed 10 percent of the dead load of the existing roof.

Sec. 436. A new Section 91.2.506 is added to Division 5 of Article 1.2 Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2.506. CHANGE OF OCCUPANCY.

Section 506 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 437. A new Subsection 91.2.506.5.3 of Section 91.2.506 is added to Division 5, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.506.5.3. Seismic Loads (seismic force-resisting system). Where a change of occupancy results in a building being assigned to a higher Risk Category, or where the change is from a Group S or U occupancy to an occupancy other than Group S or Group U, the lateral force-resisting system of the building shall comply with CEBC Section 304.3.1 for the new Risk Category. Where a change of occupancy results in a building being assigned to Risk Category IV and Seismic Design Category D or F, nonstructural components serving any portion of the building changed to Risk Category IV shall comply with the requirements of Section 1613 of the California Building Code or shall comply with ASCE 41 using an objective of Operational nonstructural performance with the BSE-1N earthquake hazard level.

EXCEPTIONS:

1. Where the area of the new occupancy is less than 10 percent of the building area, the occupancy is not changing from a Group S or Group U, and the new occupancy is not assigned to Risk Category IV, compliance with this Section is not required. The cumulative effect of occupancy changes over time shall be considered.
2. Where a change of use results in a building being reclassified from Risk Category I or II to Risk Category III and the seismic coefficient, S_{DS} , is less than 0.33, compliance with this section is not required.
3. Unreinforced masonry bearing wall buildings assigned to Risk Category III and to Seismic Design Category A or B shall be permitted to use Appendix Chapter A1 of this code.
4. Where the change is from a Group S or Group U occupancy and there is no change of Risk Category, compliance with CEBC Section 304.3.2 shall be permitted. Reduced seismic loads, in accordance with CEBC Section 304.3.2, shall be permitted provided the reduced seismic load is not less than the original building permitted seismic loads.

For a change of occupancy of an existing commercial or industrial building to residential use, all existing buildings shall be analyzed for 75 percent of the design earthquake ground motion, as defined in CBC Section 1613, but in no event shall there be a reduction in the capacity of the seismic force

resisting system where that system provides a greater level of protection than the minimum requirements established by this Code.

For an existing URM building, structural analysis per CBC Chapter 16 is required if the Risk Category is changed to III or IV. Structural analysis per CEBC Appendix A1 is required if rating classification per LABC Division 88, Table 88-A is changed to I or II. The most restrictive requirements of CEBC Sections 502 (Addition), 503 (Alternation), 405 (Repair) and 506 (Change of Occupancy) shall apply.

Sec. 438. The title and table of contents of Division 6, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

DIVISION 6 CLASSIFICATION OF WORK

Section

91.2.600 Basic Provisions.

91.2.601 General.

Sec. 439. Section 91.2.600 of Division 6, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.2.600. BASIC PROVISIONS.

Chapter 6 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 440. A new Section 91.2.601 is added to Division 6, Article 1.2 Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2.601. GENERAL.

Section 601 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 441. A new Subsection 91.2.601.1 of Section 91.2.601 is added to Division 6, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.601.1. Scope. The provisions of this chapter shall be used in conjunction with Chapters 7 through 11 and shall apply to the alteration, addition and change of occupancy of existing structures, as referenced in CEBC Section 301.3.2. The work performed on an existing building shall be classified in accordance with this chapter. Historic buildings and structures shall comply with Part 8, Title 24, C.C.R. In addition to the requirements of the CEBC, existing buildings and structures shall comply with the applicable regulations of Divisions 81, 82, 83, 84, 85, 86, 88, 89, 91, 93, 95 and 97 of the Los Angeles Building Code (LABC), Appendix A Chapters A1, A2, A3, A4 and A5 of

the LAEBC, and the voluntary earthquake hazard reduction standards of Divisions 92, 94 and 96 of the LABC.

EXCEPTIONS:

1. [SFM] Use of Chapters 6-11 is not permitted in H. I and L. R-2.1, R-3.1 occupancies and high-rise buildings.
2. [BSC] Use of Chapters 6-11 is not permitted in occupancies, buildings and applications regulated by Building Standards Commission and listed in Section 1.2.

Sec. 442. A new Subsection 91.2.601.3 of Section 91.2.601 is added to Division 6, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.601.3. Unreinforced Masonry Buildings. For unreinforced masonry (URM) buildings with an approved occupant load greater than 100, the occupant load may be increased by a maximum of 10 percent as long as the Rating Class or Risk Category is not changed.

If the occupant load increase is over 10 percent, then compliance with CEBC Appendix Chapter A1 is required as long as there is no change in Risk Category. If there is a change in Risk Category, then compliance with CEBC Section 304.3.1 is required.

Sec. 443. The title and table of contents of Division 7, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 7 ALTERATIONS – LEVEL 1

Section
91.2.700 Basic Provisions.

Sec. 444. The title and table of contents of Division 8, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 8 ALTERATIONS – LEVEL 2

Section
91.2.800 Basic Provisions.
91.2.805 Structural.

Sec. 445. Section 91.2.800 of Division 8, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.2.800. BASIC PROVISIONS.

Chapter 8 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 446. A new Section 91.2.805 is added to Division 8 of Article 1.2 Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2.805. STRUCTURAL.

Section 805 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 447. A new Subsection 91.2.805.3 of Section 91.2.805 is added to Division 8, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.805.3. Existing structural elements resisting lateral loads. Except as permitted by CEBC Section 805.4, where the alteration increases design lateral loads, or where the alteration results in prohibited structural irregularity as defined in ASCE 7, or where the alteration decreases the capacity of any existing lateral load-carrying structural element, the lateral force-resisting system of the altered building or structure shall meet the requirements of Section 1609 of the California Building Code and Section 304.3.2 of this code. Reduced seismic forces, in accordance with CEBC Section 304.3.2, shall be permitted, provided the reduced seismic load is not less than the original building permitted seismic loads.

EXCEPTIONS:

1. Except for Unreinforced Masonry Buildings (URM), any existing lateral load-carrying structural element whose demand-capacity ratio with the alteration considered is not more than 10 percent greater than its demand-capacity ratio with the alteration ignored shall be permitted to remain unaltered. For purposes of calculating demand-capacity ratios, the demand shall consider applicable load combinations with design lateral loads or forces in accordance with Section 1609 of the California Building Code and Section 304.3.1 or 304.3.2 of this code. The same methodology shall be used for the altered and unaltered structures. For purposes of this exception, comparisons of demand-capacity ratios and calculation of design lateral loads, forces and capacities shall account for the cumulative effects of additions and alterations since original construction. When calculating demand-capacity ratios for wind, the date of original construction shall be permitted to be taken as the date of completion of a prior addition, alteration or repair in compliance with Section 1609 of the California Building Code or the code wind forces in effect at the time. When calculating demand-capacity ratios for earthquake, the date of original construction shall be permitted to be taken as the date of completion of a prior addition, alteration or repair in compliance with CEBC Section 304.3.1 or CEBC Section 304.3.2, Item 1 or

3, or the full or reduced seismic forces in effect at the time. Reduced seismic loads, in accordance with CEBC Section 304.3.2, shall be permitted provided the reduced seismic load is not less than the original building permitted seismic loads.

The alternations do not create structural irregularity as defined in ASCE 7 or make an existing structural irregularity more severe.

2. For Unreinforced Masonry (URM) Buildings, any existing lateral load-carrying structural element whose demand-capacity ratio with the alteration considered is less than 10 percent greater than its demand-capacity ratio with the alteration ignored, must comply with CEBC Appendix Chapter A1. Any existing lateral load-carrying structural element whose demand-capacity ratio with the alteration considered is 10 percent or greater than its demand-capacity ratio with the alteration ignored, must comply with CEBC Section 304.3.1.

Structural analysis per CEBC Appendix Chapter A1 is required for any alterations to crosswalls or diaphragms.

3. Except for Unreinforced Masonry Buildings (URM), buildings in which the increase in the demand-capacity ratio is due entirely to the addition of rooftop-supported mechanical equipment individually having an operating weight less than 400 pounds (181.4 kg) and where the total additional weight of all rooftop equipment placed after initial construction of the building is less than 10 percent of the roof dead load. For purposes of this exception, "roof" shall mean the roof level above a particular story

4. Except for Unreinforced Masonry Buildings (URM), increases in the demand-capacity ratio due to lateral loads from seismic forces need not be evaluated for the installation of rooftop photovoltaic panel systems where the additional roof dead load due to the system, including ballast where applicable, does not exceed 5 pounds per square foot (psf) (0.2394 kN/m²) and does not exceed 10 percent of the dead load of the existing roof.

Sec. 448. The title and table of contents of Division 9, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 9 ALTERATIONS – LEVEL 3

Section

91.2.900 Basic Provisions.

91.2.906 Structural.

Sec. 449. Section 91.2.900, Division 9 Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.2.900. BASIC PROVISIONS.

Chapter 9 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 450. A new Section 91.2.906 is added to Division 9, Article 1.2 Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2.906. STRUCTURAL.

Section 906 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 451. A new Subsection 91.2.906.2 of Section 91.2.906 is added to Division 9, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.906.2. Existing structural elements resisting lateral loads. Where work involves a substantial structural alteration, the lateral load-resisting system of the altered building shall be shown to satisfy the requirements of Section 1609 of the California Building Code and Section 304.3.2 of this code. Reduced seismic forces, in accordance with CEBC Section 304.3.2, shall be permitted, provided the reduced seismic load is not less than the original building permitted seismic loads. Where the building is assigned to Seismic Design Category D or F, supports and attachments for nonstructural components required to serve any portion of the building with a use included in Risk Category IV shall comply with Section 1613 of the California Building Code or shall comply with ASCE 41 using an objective of Position Retention nonstructural performance with the BSE-1E earthquake hazard level.

EXCEPTIONS:

1. Buildings of Group R occupancy with not more than five dwelling or sleeping units used solely for residential purposes that are altered based on the conventional light-frame construction methods of the California Building Code or in compliance with the provisions of the California Residential Code.
2. Where the intended alteration involves only the lowest story of a building, only the lateral load resisting components in and below that story need comply with this section. The alternations do not create structural irregularity as defined in ASCE 7 or make an existing structural irregularity more severe.

Sec. 452. The title and table of contents of Division 10, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 10 CHANGE OF OCCUPANCY

Section

91.2.1000 Basic Provisions.

91.2.1006 Structural.

Sec. 453. Section 91.2.1006 of Section 91.2.1000, Division 10, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.2.1000. BASIC PROVISIONS.

Chapter 10 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 454. A new Section 91.2.1006 is added to Division 10, Article 1.2 Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2.1006. STRUCTURAL.

Section 1006 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 455. A new Subsection 91.2.1006.3 of Section 91.2.1006 is added to Division 10, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.1006.3. Seismic loads. Where a change of occupancy results in a building being assigned to a higher Risk Category, or where the change is from a Group S or Group U occupancy to any occupancy other than Group S or Group U, the lateral force-resisting system of the building shall comply with CEBC Section 304.3.1 for the new Risk Category. Where a change of occupancy results in a building being assigned to Risk Category IV and Seismic Design Category D or F, nonstructural components serving any portion of the building changed to Risk Category IV shall comply with the requirements of Section 1613 of the California Building Code or shall comply with ASCE 41 using an objective of operational nonstructural performance with the BSE-1N earthquake hazard level.

EXCEPTIONS:

1. Where a change of use results in a building being reclassified from Risk Category I or II to Risk Category III and the seismic coefficient, S_{DS} , is less than 0.33, compliance with this section is not required.
2. Where the area of the new occupancy is less than 10 percent of the building area, the occupancy is not changing from a Group S or Group U occupancy, and the new occupancy is not assigned to Risk Category IV,

compliance with this section is not required. The cumulative effect of occupancy changes over time shall be considered.

3. Reserved.

4. Where the change is from a Group S or Group U occupancy and there is no change of risk category, compliance with CEBC Section 304.3.2 shall be permitted. Reduced seismic loads, in accordance with CEBC Section 304.3.2, shall be permitted provided the reduced seismic load is not less than the original building permitted seismic loads.

For a change of occupancy of an existing commercial or industrial building to residential use, all existing buildings shall be analyzed for 75 percent of the design earthquake ground motion, as defined in CBC Section 1613, but in no event shall there be a reduction in the capacity of the seismic force resisting system where that system provides a greater level of protection than the minimum requirements established by this Code.

For an existing URM building, structural analysis per CBC Chapter 16 is required if the risk category is changed to III or IV. Structural analysis per CEBC Appendix A1 is required if rating classification per LABC Division 88, Table 88-A is changed to I or II.

The most restrictive requirements of CEBC Chapter 4, and Chapters 6 through 11 shall apply.

Sec. 456. The title and table of contents of Division 11, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 11 ADDITIONS

Section

91.2.1100 Basic Provisions.

91.2.1103 Structural.

Sec. 457. Section 91.2.1100 of Division 11, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.2.1100. BASIC PROVISIONS.

Chapter 11 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 458. A new Section 91.2.1103 is added to Division 11, Article 1.2 Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2.1103. STRUCTURAL.

Section 1103 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 459. A new Subsection 91.2.1103.2 of Section 91.2.1103 is added to Division 11, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.1103.2. Lateral force-resisting system. Where the addition is structurally independent of the existing structure, existing lateral load-carrying structural elements shall be permitted to remain unaltered. Where the addition is not structurally independent of the existing structure, the lateral force-resisting system of the existing structure and its addition acting together as a single structure shall comply with Section 1609 of the California Building Code and with Section 304.3.1 of this code

EXCEPTIONS:

1. Buildings of Group R occupancy with not more than five dwelling or sleeping units used solely for residential purposes where the existing building and the addition together comply with the conventional light-frame construction methods of the California Building Code or the provisions of the California Residential Code.

2. Except for Unreinforced Masonry (URM) Buildings, any existing lateral load-carrying structural element whose demand-capacity ratio with the addition considered is not more than 10 percent greater than its demand-capacity ratio with the addition ignored shall be permitted to remain unaltered. For purposes of calculating demand-capacity ratios, the demand shall consider applicable load combinations with design lateral loads or forces in accordance with Sections 1609 of the California Building Code and Section 304.3.1 of this code. For purposes of this exception, comparisons of demand-capacity ratios and calculation of design lateral loads, forces and capacities shall account for the cumulative effects of additions and alterations since original construction. When calculating demand-capacity ratios for wind, the date of original construction shall be permitted to be taken as the date of completion of a prior addition, alteration or repair in compliance with Section 1609 of the California Building Code or the code wind forces in effect at the time. When calculating demand-capacity ratios for earthquake, the date of original construction shall be permitted to be taken as the date of completion of a prior addition, alteration or repair in compliance with CEBC Section 304.3.1 or the full seismic forces in effect at the time.

The additions do not create structural irregularity as defined in ASCE 7 or make an existing structural irregularity more severe.

3. For Unreinforced Masonry (URM) Buildings, any existing lateral load-carrying structural element whose demand-capacity ratio with the addition considered is less than 10 percent greater than its demand-capacity ratio with the addition ignored, must comply with CEBC Appendix Chapter A1. Any existing lateral load-carrying structural element whose demand-capacity ratio with the addition considered is 10 percent or greater than its demand-capacity ratio with the addition ignored, must comply with CEBC Section 304.3.1.

Sec. 460. The title and table of contents of Division 12, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 12 HISTORIC BUILDINGS

Section
91.2.1200 Basic Provisions.

Sec. 461. The title and table of contents of Division 13, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 13 PERFORMANCE COMPLIANCE METHODS

Section
91.2.1300 Basic Provisions.

Sec. 462. The title and table of contents of Division 14, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 14 RELOCATED OR MOVED BUILDINGS

Section
91.2.1400 Basic Provisions.

Sec. 463. The title and table of contents of Division 15, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 15 CONSTRUCTION SAFEGUARDS

Section
91.2.1500 Basic Provisions.

Sec. 464. The title and table of contents of Division 16, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 16 REFERENCED STANDARDS

Section
91.2.1600 Basic Provisions.

Sec. 465. The title and table of contents of Article 1.5, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

ARTICLE 1.5 AMENDMENTS TO THE CALIFORNIA RESIDENTIAL CODE

Division
1 [Scope and Application]
2 [Definitions]
3 [Building Planning]
4 [Foundations]
5 [Floors]
6 [Wall Construction]
7 [Wall Covering]
8 [Roof-Ceiling Construction]
9 [Roof Assemblies]
10 [Chimneys and Fireplaces]

Sec. 466. Section 91.5.100, Division 1, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 467. Subsection 91.5.101.1 of Section 91.5.101, Division 1, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 468. Subsection 91.5.101.2 of Section 91.5.101, Division 1, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.101.2. Scope. The provisions of the LARC for one- and two-family dwellings shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal, and demolition of detached one- and two-family dwellings, efficiency dwelling units, and townhouses not more than three stories above grade plane in height with a separate means of egress and their accessory structures not more than three stories above grade plane in height. In addition to the LARC, appropriate sections of Chapters 1, 11A, 11B, 12, 17, 31, 33, 63, 67, 70, 71, 72, 81, 89, 92, 93 and 96 of the LABC shall also be applicable to one- and two-family dwellings, efficiency dwelling units, and townhouses unless stated otherwise.

The LABC and LARC adopt by indicated reference portions of the 2025 California Building Code (CBC) or the 2025 California Residential Code (CRC) located at Title 24 of the California Code of Regulations (CCR).

EXCEPTION: The following shall be permitted to be constructed in accordance with this code where provided with a residential fire sprinkler system complying with Section R309:

1. Live/work units located in townhouses and complying with the requirements of Section 508.5 of the California Building Code.
2. Owner-occupied lodging houses with five or fewer guestrooms.
3. A care facility with five or fewer persons receiving custodial care within a dwelling unit.
4. A care facility with five or fewer persons receiving medical care within a dwelling unit.
5. A day care facility for five or fewer persons of any age receiving care within a dwelling unit.

For additions, alterations, moving, and maintenance of buildings and structures, see Article 1.2, Chapter IX of the Los Angeles Municipal Code. For temporary buildings and structures, see CBC Section 3103.

Sec. 469. Section 91.5.202 of Division 2, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 91.5.202. DEFINITIONS.

Chapter 202 of the CRC is adopted by reference, except that the following CRC definitions are not adopted:

BUILDING OFFICIAL.

LOT.

The following definitions are adopted:

BUILDING OFFICIAL. See Los Angeles Municipal Code Section 91.202.

LOT. See Los Angeles Municipal Code Section 12.03.

SUPERINTENDENT OF BUILDING. See Los Angeles Municipal Code Section 91.202.

Sec. 470. Section 91.5.300 of Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.5.300. BASIC PROVISIONS.

Chapter 3 of the CRC is adopted by reference except as amended herein.

Sec. 471. Subsection 91.5.301.1.3 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 472. Subsection 91.5.301.1.3.2 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 473. Subsection 91.5.301.1.5 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.301.1.5. Seismic Design Provisions for Buildings Constructed on or into Slopes Steeper than One Unit Vertical in Three Units Horizontal (33.3 Percent Slope). The design and construction of new buildings and additions to existing buildings when constructed on or into slopes steeper than one-unit vertical in three-units horizontal (33.3% slope) shall comply with LAMC Subsection 91.1613.9.

Sec. 474. Table R301.2(1) following Subsection 91.5.301.1.5 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

**Table R301.2(1)
Climatic and Geographic Design Criteria**

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY ^f	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP °	ICE BARRIER UNDERLAYMENT REQUIRED ^h	FLOOD HAZARDS ^g	AIR FREEZING INDEX ⁱ	MEAN ANNUAL TEMP ^j
	Speed ^a (mph)	Topographic effects ^b	Special wind region ^c	Wind-borne debris zone ^m		Weathering ^a	Frost line depth ^b	Termite ^c					
0	110	No	No	No	D ₂ /E	Negligible	12"	Yes	39 ° to 44 °	No	See Flood Map	0	61.1 °

For SI: 1 pound per square foot = 0.0479 kPa, 1 mile per hour = 0.447 m/s.

- Where weathering requires a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this Code, the frost line depth strength required for weathering shall govern. The weathering column shall be filled in with the weathering index, "negligible," "moderate" or "severe" for concrete as determined from CRC Figure R301.2(1).
- Where the frost line depth requires deeper footings than indicated in CRC Figure R403.1(1), the frost line depth strength required for weathering shall govern. The jurisdiction shall fill in the frost line depth column with the minimum depth of footing below finish grade.
- The jurisdiction shall fill in this part of the table to indicate the need for protection depending on whether there has been a history of local subterranean termite damage.
- The jurisdiction shall fill in this part of the table with the wind speed from the ultimate design wind speeds map [CRC Figure R301.2 (2)]. Wind exposure category shall be determined on a site-specific basis in accordance with CRC Section R301.2.1.4.
- Temperatures shall be permitted to reflect local climates or local weather experience as determined by the Building Official.

- f. The jurisdiction shall fill in this part of the table with the seismic design category determined from CRC Section R301.2.2.1.
- g. The jurisdiction shall fill in this part of the table with (a) the date of the jurisdiction's entry into the National Flood Insurance Program (date of adoption of the first code or ordinance for management of flood hazard areas), (b) the date(s) of the Flood Insurance Study and (c) the panel numbers and dates of all currently effective FIRMs and FBFMs or other flood hazard map adopted by the authority having jurisdiction, as amended.
- h. In accordance with CRC Sections R905.1.2, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1, and R905.8.3.1, where there has been a history of local damage from the effects of ice damming, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall fill in this part of the table with "NO."
- i. The jurisdiction shall fill in this part of the table with the 100-year return period air freezing index (BF-days) from CRC Figure R403.3(2) or from the 100-year (99%) value on the National Climatic Data Center data table "Air Freezing Index - USA Method (Base 32°F)."
- j. The jurisdiction shall fill in this part of the table with the mean annual temperature from the National Climatic Data Center data table "Air Freezing Index - USA Method (Base 32°F)."
- k. In accordance with CRC Section R301.2.1.5, where there is local historical data documenting structural damage to buildings due to topographic wind speed-up effects, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall indicate "NO" in this part of the table.
- l. In accordance with CRC Figure R301.2(2), where there is local historical data documenting unusual wind conditions, the jurisdiction shall fill in this part of the table with "YES" and identify any specific requirements. Otherwise, the jurisdiction shall indicate "NO" in this part of the table.
- m. In accordance with CRC Section R301.2.1.2, the jurisdiction shall indicate the wind-borne debris wind zone(s). Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

Sec. 475. Subsection 91.5.301.2.2.6 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.301.2.2.6. Irregular Buildings. Prescriptive construction as regulated by this code shall not be used for irregular structures located in Seismic Design Categories C, D₀, D₁, and D₂. A building or portion of a building shall be considered to be irregular where one or more of the conditions defined in Items 1 through 8 occur. Irregular structures, or irregular portions of structures, shall be designed in accordance with accepted engineering practice to the extent the irregular features affect the performance of the remaining structural system. Where the forces associated with the irregularity are resisted by a structural system designed in accordance with accepted engineering practice, the remainder of the building shall be permitted to be designed using the provisions of this code.

1. **Shear wall or braced wall offsets out of plane.** Conditions where exterior shear wall lines or braced wall panels are not in one plane vertically from the foundation to the uppermost story in which they are required.

2. **Lateral support of roofs and floors.** Conditions where a section of floor or roof is not laterally supported by shear walls or braced wall lines on all edges.

EXCEPTION: Portions of floors that do not support shear walls, braced wall panels above, or roofs, shall be permitted to extend not more than 6 feet (1829 mm) beyond a shear wall or braced wall line.

3. **Shear wall or braced wall offsets in plane.** Conditions where the end of a braced wall panel occurs over an opening in the wall below.

4. **Floor and roof opening.** Conditions where an opening in a floor or

roof exceeds the lesser of 12 feet (3658 mm) or 50 percent of the least floor or roof dimension.

5. **Floor level offset.** Conditions where portions of a floor level are vertically offset.

6. **Perpendicular shear wall and wall bracing.** Conditions where shear walls and braced wall lines do not occur in two perpendicular directions.

7. **Wall bracing in stories containing masonry or concrete construction.** Conditions where stories above grade are partially or completely braced by wood wall framing in accordance with CRC Section R602 or cold-formed steel wall framing in accordance with CRC Section R603 include masonry or concrete construction. Where this irregularity applies, the entire story shall be designed in accordance with accepted engineering practice.

EXCEPTION: Fireplaces, chimneys and masonry veneer as permitted by this code.

8. **Hillside light-frame construction.** Conditions in which all of the following apply:

8.1. The grade slope exceeds 1 unit vertical in 5 units horizontal where averaged across the full length of any side of the building.

8.2. The tallest cripple wall clear height exceeds 7 feet (2134 mm), or where a post and beam system occurs at the building perimeter, the post and beam system tallest post clear height exceeds 7 feet (2134 mm).

8.3. Of the total plan area below the lowest framed floor, whether open or enclosed, less than 50 percent is living space having interior wall finishes conforming to Section R702.

Where Item 8 is applicable, design in accordance with accepted engineering practice shall be provided for the floor immediately above the cripple walls or post and beam system and all structural elements and connections from this diaphragm down to and including connections to the foundation and design of the foundation to transfer lateral loads from the framing above.

EXCEPTION: Light-frame construction in which the lowest framed floor is supported directly on concrete or masonry walls over the full length of all sides except the downhill side of the building need not be considered an irregular building under Item 8.

Sec. 476. Subsection 91.5.301.2.2.11 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 477. Subsection 91.5.311.2 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is deleted.

Sec. 478. Subsection 91.5.313.1 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.5.309.1 and amended in its entirety to read as follows:

91.5.309.1. Townhouse Automatic Fire Sprinkler Systems. Every newly constructed townhouse must include an automatic residential fire sprinkler system. Where alterations are made to an existing townhouse that does not have an automatic residential fire sprinkler system, and the aggregate value of the alterations within a one-year period equals or exceeds 50% of the replacement cost of the existing building, an automatic residential fire sprinkler system must be installed in the entire townhouse.

Sec. 479. Subsection 91.5.313.2 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.5.309.2 and amended in its entirety to read as follows:

91.5.309.2. One and Two-family Dwelling Automatic Fire Sprinkler Systems. Every newly constructed one or two-family dwelling must include an automatic residential fire sprinkler system. Where alterations are made to an existing one or two-family dwelling, and the aggregate value of the alterations within a one-year period equals or exceeds 50% of the replacement cost of the existing building, an automatic residential fire sprinkler system must be installed in the entire one or two-family dwelling.

An automatic residential fire sprinkler system is not required in an Accessory Dwelling Unit, provided that all of the following are met:

1. The unit meets the definition of an Accessory Dwelling Unit as defined in the Government Code Section 65852.2.
2. The existing primary residence does not have automatic fire sprinklers.
3. The detached accessory dwelling unit does not exceed 1,200 square feet in size.
4. The unit is on the same lot as the primary residence.

Sec. 480. Subsection 91.5.321 of Section 91.5.300, Division 3, Article 1.5,

Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.5.323 and amended in its entirety to read as follows:

91.5.323. Elevator and Platform Lifts.

Sec. 481. Subsection 91.5.321.1 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.5.323.1 and amended in its entirety to read as follows:

91.5.323.1. Elevators. Where provided, passenger elevators, limited-use and limited-application elevators or private residence elevators shall comply with the City of Los Angeles Elevator Code.

Sec. 482. Subsection 91.5.321.2 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.5.323.2 and amended in its entirety to read as follows:

91.5.323.2. Platform Lifts. Where provided, platform lifts shall comply with the City of Los Angeles Elevator Code.

Sec. 483. Subsection 91.5.322.1.4.1 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.5.306.1.4.1 and amended in its entirety to read as follows:

91.5.306.1.4.1. Determination of Design Flood Elevations. If design flood elevations are not specified, the building official is authorized to require the applicant to comply with either of the following:

1. Obtain and reasonably use data available from a federal, state or other source; or
2. Determine the design flood elevation in accordance with accepted hydrologic and hydraulic engineering practices used to define special flood hazard areas. Determinations shall be undertaken by a registered civil engineer who shall document that the technical methods used reflect currently accepted engineering practice. Studies, analyses and computations shall be submitted in sufficient detail to allow thorough review and approval.

Sec. 484. Subsection 91.5.401.1 of Section 91.5.400, Division 4, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.401.1. Application. The provisions of this Division shall control the design and construction of the foundation and foundation spaces for all buildings. In addition to the provisions of this division, the design and construction of foundations in flood hazard

areas as established by LAMC Table R301.2(1) shall meet the provisions of CRC Section R306. Wood foundations shall be designed and installed in accordance with AWC PWF-PWF.

EXCEPTION: The provisions of this Chapter shall be permitted to be used for wood foundations only in the following situations:

1. In buildings that have no more than two floors and a roof;
2. When interior basement and foundation walls are constructed at intervals not exceeding 50 feet (15 240 mm).

Wood foundations in Seismic Design Category D₀, D₁, or D₂ shall not be permitted.

EXCEPTION: In non-occupied, single-story, detached storage sheds and similar uses other than carport or garage, provided the gross floor area does not exceed 200 square feet, the plate height does not exceed 12 feet in height above the grade at any point, and the maximum roof projection does not exceed 24 inches.

Sec. 485. Subsection 91.5.403.1.2 of Section 91.5.400, Division 4, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 486. Subsection 91.5.403.1.3.6 of Section 91.5.400, Division 4, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 487. Subsection 91.5.403.1.5 of Section 91.5.400, Division 4, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

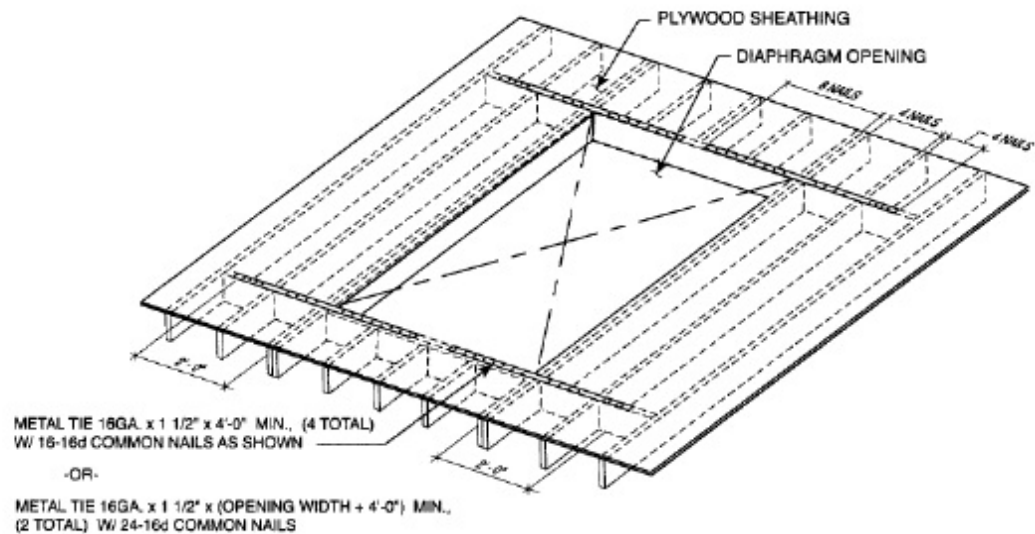
Sec. 488. Subsection 91.5.404.2 of Section 91.5.400, Division 4, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 489. Subsection 91.5.501.1. of Section 91.5.500, Division 5, Article 1.5, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 490. Subsection 91.5.503.2.4 of Section 91.5.500, Division 5, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.503.2.4. Openings in Horizontal Diaphragms. Openings in horizontal diaphragms with a dimension perpendicular to the joist that is greater than 4 feet (1219.2 mm) shall be constructed in accordance with LAMC Figure 91.5.503.2.4.

Figure 91.5.503.2.4



For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

- a. Blockings shall be provided beyond headers.
- b. Metal ties not less than 0.058 inch [1.47 mm (16 galvanized gage)] by 1.5 inches (38 mm) wide with eight 16d common nails on each side of the header-joist intersection. The metal ties shall have a minimum yield of 33,000 psi (227 MPa).
- c. Openings in diaphragms shall be further limited in accordance with CRC Section R301.2.2.6.

Sec. 491. Table 91.5.602.3(1) following Section 91.5.600 of Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 492. Table 91.5.602.3(2) following Section 91.5.600 of Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 493. A new Subsection 91.5.602.3.6 is added to Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.5.602.3.6 Use of staples. Use of staples in roof, floor, subfloor, and braced wall panels shall be prohibited in Seismic Design Category D₀, D₁ or D₂.

Sec. 494. Subsection 91.5.602.3.2 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 495. Table 91.5.602.3.2 following Subsection 91.5.602.3.2 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

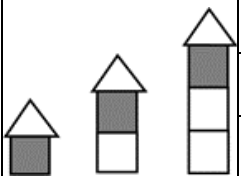
Sec. 496. Subsection 91.5.602.10.2.3 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

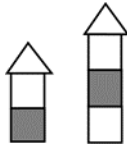

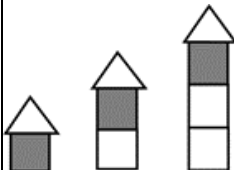
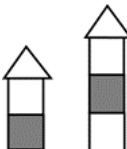

91.5.602.10.2.3. Minimum Number of Braced Wall Panels. Braced wall lines with a length of 16 feet (4877 mm) or less shall have not less than two braced wall panels of any length or one braced wall panel equal to 48 inches (1219 mm) or more. Braced wall lines greater than 16 feet (4877 mm) shall have not less than two braced wall panels. In Seismic Design Category D₀, D₁, or D₂, no braced wall panel shall have a contributing length less than 48 inches in length or as required in Section R602.10.3, whichever is greater.

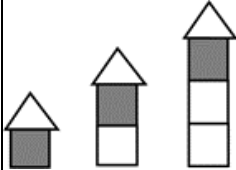
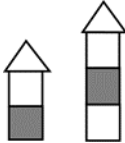

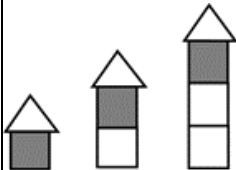
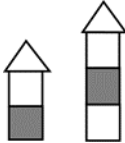

Sec. 497. Table 91.5.602.10.3(3) following Subsection 91.5.602.10.2.3 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

Table 91.5.602.10.3(3)

Bracing Requirements Based on Seismic Design Category

<ul style="list-style-type: none"> • WALL HEIGHT = 10 FEET • 10 PSF FLOOR DEAD LOAD • 15 PSF ROOF/CEILING DEAD LOAD • BRACED WALL LINE SPACING ≤ 25 FEET 			MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE ^{a, g}				
Seismic Design Category ^b	Story Location	Braced Wall Line Length (feet) ^c	Method LIB ^d	Method GB ^{· i}	Methods DWB ⁱ , SFB ⁱ , PBS ⁱ , PCP ^{· i} , HPS ⁱ , CS- SFB ^{e, i}	Method WSP, ABW ^f , PFH ^f and PFG ^{e, f}	Methods CS- WSP, CS-G, CS-PF
C (townhouses only)		10	2.5	2.5	2.5	1.6	1.4
		20	5.0	5.0	5.0	3.2	2.7
		30	7.5	7.5	7.5	4.8	4.1
		40	10.0	10.0	10.0	6.4	5.4
		50	12.5	12.5	12.5	8.0	6.8

		10	NP	4.5	4.5	3.0	2.6
		20	NP	9.0	9.0	6.0	5.1
		30	NP	13.5	13.5	9.0	7.7
		40	NP	18.0	18.0	12.0	10.2
		50	NP	22.5	22.5	15.0	12.8
		10	NP	6.0	6.0	4.5	3.8
		20	NP	12.0	12.0	9.0	7.7
		30	NP	18.0	18.0	13.5	11.5
		40	NP	24.0	24.0	18.0	15.3
		50	NP	30.0	30.0	22.5	19.1
D ₀		10	NP	5.6	5.6	1.8	1.6
		20	NP	11.0	11.0	3.6	3.1
		30	NP	16.6	16.6	5.4	4.6
		40	NP	22.0	22.0	7.2	6.1
		50	NP	27.6	27.6	9.0	7.7
		10	NP	NP	NP	3.8	3.2
		20	NP	NP	NP	7.5	6.4
		30	NP	NP	NP	11.3	9.6
		40	NP	NP	NP	15.0	12.8
		50	NP	NP	NP	18.8	16.0
		10	NP	NP	NP	5.3	4.5
		20	NP	NP	NP	10.5	9.0
		30	NP	NP	NP	15.8	13.4
		40	NP	NP	NP	21.0	17.9
		50	NP	NP	NP	26.3	22.3
D ₁		10	NP	6.0	6.0	2.0	1.7
		20	NP	12.0	12.0	4.0	3.4
		30	NP	18.0	18.0	6.0	5.1

		40	NP	24.0	24.0	8.0	6.8
		50	NP	30.0	30.0	10.0	8.5
		10	NP	NP	NP	4.5	3.8
		20	NP	NP	NP	9.0	7.7
		30	NP	NP	NP	13.5	11.5
		40	NP	NP	NP	18.0	15.3
		50	NP	NP	NP	22.5	19.1
		10	NP	NP	NP	6.0	5.1
		20	NP	NP	NP	12.0	10.2
		30	NP	NP	NP	18.0	15.3
		40	NP	NP	NP	24.0	20.4
		50	NP	NP	NP	30.0	25.5
D ₂ ^h		10	NP	8.0	8.0	2.5	2.1
		20	NP	16.0	16.0	5.0	4.3
		30	NP	24.0	24.0	7.5	6.4
		40	NP	32.0	32.0	10.0	8.5
		50	NP	40.0	40.0	12.5	10.6
		10	NP	NP	NP	5.5	4.7
		20	NP	NP	NP	11.0	9.4
		30	NP	NP	NP	16.5	14.0
		40	NP	NP	NP	22.0	18.7
		50	NP	NP	NP	27.5	23.4
		10	NP	NP	NP	NP	NP
		20	NP	NP	NP	NP	NP
		30	NP	NP	NP	NP	NP
		40	NP	NP	NP	NP	NP



		50	NP	NP	NP	NP	NP
	Cripple wall below one- or two-story dwelling	10	NP	NP	NP	7.5	6.4
		20	NP	NP	NP	15.0	12.8
		30	NP	NP	NP	22.5	19.1
		40	NP	NP	NP	30.0	25.5
		50	NP	NP	NP	37.5	31.9









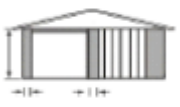
For SI: 1 inch = 25.4 mm, 1 foot = 305 mm, 1 pound per square foot = 0.0479 kPa.





- a. Linear interpolation shall be permitted.
- b. Interpolation of bracing length between the S_{ds} values associated with the seismic design categories shall be permitted when a site-specific S_{ds} value is determined in accordance with Section 1613.2 of the California Building Code.
- c. Where the braced wall line length is greater than 50 feet, braced wall lines shall be permitted to be divided into shorter segments having lengths of 50 feet or less, and the amount of bracing within each segment shall be in accordance with this table.
- d. Method LIB shall have gypsum board fastened to one side with nails or screws Table R602.3(1) for exterior sheathing or Table R702.3.5 for interior gypsum board. Spacing of fasteners at panel edges shall not exceed 8 inches
- a. Method LIB shall have gypsum board fastened to not less than one side with nails or screws in accordance with Table R602.3(1) for exterior sheathing or Table R702.3.5 for interior gypsum board. Spacing of fasteners at panel edges shall not exceed 8 inches.
- e. Methods PFG and CS-SFB do not apply in Seismic Design Categories D_0 , D_1 and D_2 .
- f. Methods PFH, PFG and ABW are only permitted on a single story or a first of two stories.
- g. Where more than one bracing method is used, mixing methods shall be in accordance with Section R602.10.4.1.
- h. One- and two-family dwellings in Seismic Design Category D_2 exceeding two stories shall be designed in accordance with accepted engineering practice.
- i. Methods GB and PCP braced wall panel h/w ratio shall not exceed 1:1 in SDC D_0 , D_1 and D_2 . Methods DWB, SFB, PBS, HPS, and CS-SFB are not permitted in D_0 , D_1 and D_2 .

Sec. 498. Table 91.5.602.10.4 following Table 91.5.602.10.3(3) of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

Table 91.5.602.10.4
Bracing Methods^f

METHODS, MATERIAL		MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA ^a	
				Fasteners	Spacing
Intermittent Bracing Methods	LIB Let-in-bracing	1 × 4 wood or approved metal straps at 45° to 60° angles for maximum 16" stud spacing		Wood: 2-8d common nails or 3-8d (2 1/2" long × 0.113" dia.) nails	Wood: per stud and top and bottom plates
				Metal strap: per manufacturer	Metal: per manufacturer
	DWB Diagonal wood boards	3/4"(1" nominal) for maximum 24" stud spacing		2-8d (2 1/2" long × 0.113" dia.) nails or 2 - 1 3/4" long staples	Per stud

	WSP Wood structural panel (See Section R604)	15/32"		g 8d common (2.5" × 0.131") nails 3/8" edge distance to panel edge	6" edges 12" field
				8d common (2.5" × 0.131") nails 3/8" edge distance to panel edge	Varies by fastener
	BV-WSP ° Wood structural Panels with stone or masonry veneer (See Section R602.10.6.5)	15/32"	See Figure R602.10.6.5	8d common (2 1/2" × 0.131) nails	4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts
	SFB Structural fiberboard sheathing	1/2" or 25/32" for maximum 16" stud spacing		1 1/2" long × 0.12" dia. (for 1/2" thick sheathing) 1 3/4" long × 0.12" dia. (for 25/32" thick sheathing) galvanized roofing nails or 8d common (2 1/2" long × 0.131" dia.) nails	3" edges 6" field
	GB Gypsum board	1/2"		Nails or screws per Table 91.5.602.3(1) for exterior locations Nails or screws per Table R702.3.5 for interior locations	For all braced wall panel locations: 7" edges (including top and bottom plates) 7" field
	PBS Particleboard sheathing (See Section R605)	3/8" or 1/2" for maximum 16" stud spacing		For 3/8", 6d common (2" long × 0.113" dia.) nails For 1/2", 8d common (2 1/2" long × 0.131" dia.) nails	3" edges 6" field
	PCP Portland cement plaster	See Section R703.6 for maximum 16" stud spacing		1 1/2" long, 11 gage, 7/16" dia. head nails	6" o.c. on all framing members
	HPS Hardboard panel siding	7/16" for maximum 16" stud spacing		0.092" dia., 0.225" dia. head nails with length to accommodate 1 1/2" penetration into studs	4" edges 8" field
	ABW Alternate braced wall	15/32"		See Section R602.10.6.1	See Section R602.10.6.1
	PFH Portal frame with hold-downs	15/32"		See Section R602.10.6.2	See Section R602.10.6.2
	PFG Portal frame at garage	15/32"		See Section R602.10.6.3	See Section R602.10.6.3
Continuous Sheathing Methods	CS-WSP Continuously	15/32"		8d common (2.5" × 0.131") nails 3/8" edge distance to panel edge	6" edges 12" field

	sheathed wood structural panel			8d common (2.5" × 0.131") nails 3/8" edge distance to panel edge	Varies by fastener
	CS-G^{b, c} Continuously sheathed wood structural panel adjacent to garage openings	15/32"		See Method CS-WSP	See Method CS-WSP
	CS-PF Continuously sheathed portal frame	15/32"		See Section R602.10.6.4	See Section R602.10.6.4
	CS-SFB^d Continuously sheathed structural fiberboard	1/2" or 25/32" for maximum 16" stud spacing		1 1/2" long × 0.12" dia. (for 1/2" thick sheathing) 1 3/4" long × 0.12" dia. (for 25/32" thick sheathing) galvanized roofing nails or 8d common (2 1/2" long × 0.131" dia.) nails	3" edges 6" field

For SI: 1 inch = 25.4 mm, 1 foot = 305 mm, 1 degree = 0.0175 rad, 1 pound per square foot = 47.8 N/m², 1 mile per hour = 0.447 m/s.

- Adhesive attachment of wall sheathing, including Method GB, shall not be permitted in Seismic Design Categories C, D₀, D₁ and D₂.
- Applies to panels next to garage door opening when supporting gable end wall or roof load only. May only be used on one wall of the garage. In Seismic Design Categories D₀, D₁ and D₂, roof covering dead load may not exceed 3 psf.
- Garage openings adjacent to a Method CS-G panel shall be provided with a header in accordance with CRC Table 602.7(1). A full height clear opening shall not be permitted adjacent to a Method CS-G panel.
- Method CS-SFB does not apply in Seismic Design Categories D₀, D₁ and D₂ and in areas where the wind speed exceeds 100 mph.
- Method applies to detached one- and two-family dwellings in Seismic Design Categories D₀ through D₂ only.
- Methods GB and PCP braced wall panel h/d ratio shall not exceed 1:1 in SDC D₀, D₁, and D₂. Methods LIB, DWB, SFB, PBS, HPS, and PFG are not permitted in SDC D₀, D₁, and D₂.
- Use of staples in braced wall panels shall be prohibited in SDC D₀, D₁ and D₂.

Sec. 499. Table 91.5.602.10.5 following Table 91.5.602.10.4 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

Table 91.5.602.10.5
Minimum Length Of Braced Wall Panels

METHOD (See Table R602.10.4)		MINIMUM LENGTH ^a (inches)					CONTRIBUTING LENGTH (inches)
		Wall Height					
		8 feet	9 feet	10 feet	11 feet	12 feet	
DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP		48	48	48	53	58	Actual ^b
GB		48	48	48	53	58	Double sided = Actual Single sided = 0.5 × Actual
LIB		55	62	69	NP	NP	Actual ^b
ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	48
	SDC D _o , D ₁ and D ₂ ,	32	32	34	NP	NP	

	ultimate design wind speed < 140 mph						
CS-G		24	27	30	33	36	Actual ^b
CS-WSP, CS-SFB	Adjacent clear opening height (inches)						Actual ^b
	≤ 64	24	27	30	33	36	
	68	26	27	30	33	36	
	72	27	27	30	33	36	
	76	30	29	30	33	36	
	80	32	30	30	33	36	
	84	35	32	32	33	36	
	88	38	35	33	33	36	
	92	43	37	35	35	36	
	96	48	41	38	36	36	
	100	—	44	40	38	38	
	104	—	49	43	40	39	
	108	—	54	46	43	41	
	112	—	—	50	45	43	
	116	—	—	55	48	45	
	120	—	—	60	52	48	
	124	—	—	—	56	51	
	128	—	—	—	61	54	
	132	—	—	—	66	58	
	136	—	—	—	—	62	
	140	—	—	—	—	66	
	144	—	—	—	—	72	
METHOD (See Table R602.10.4)		Portal header height					
		8 feet	9 feet	10 feet	11 feet	12 feet	
PFH	Supporting roof only	24	24	24	Note c	Note c	48

	Supporting one story and roof	24	24	24	Note c	Note c	
	PFG	24	27	30	Note d	Note d	1.5 × Actual ^b
CS-PF	SDC A, B and C	16	18	20	Note e	Note e	1.5 × Actual ^b
	SDC D ₀ , D ₁ and D ₂	24	24	24	Note e	Note e	Actual ^b

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s.

NP = Not Permitted.

- a. Linear interpolation shall be permitted.
- b. Use the actual length when it is greater than or equal to the minimum length. The actual length of Methods CS-G, CS-WSP, CS-SFB, PFH, PFG and CS-PF is the length of the full-height sheathed section.
- c. Maximum header height for PFH is 10 feet (3048 mm) in accordance with CRC Figure R602.10.6.2, but wall height may be increased to 12 feet (3657.6 mm) with pony wall.
- d. Maximum opening height for PFG is 10 feet (3048 mm) in accordance with CRC Figure R602.10.6.3, but wall height may be increased to 12 feet (3657.6 mm) with pony wall.
- e. Maximum opening height for CS-PF is 10 feet (3048 mm) in accordance with CRC Figure R602.10.6.4, but wall height may be increased to 12 feet (3657.6 mm) with pony wall.

Sec. 500. Figure 91.5.602.10.6.1 following Table 91.5.602.10.5 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 501. Figure 91.5.602.10.6.2 following Figure 91.5.602.10.6.1 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 502. Figure 91.5.602.10.6.4 following Figure 91.5.602.10.6.2 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 503. Subsection 91.5.606.12.2.2.3 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 504. Subsection 91.5.802.8 of Section 91.5.800, Division 8, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 505. Subsection 91.5.802.10.2 of Section 91.5.800, Division 8, Article 1.5, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 506. Subsection 91.5.803.2.4 of Section 91.5.800, Division 8, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 507. Subsection 91.5.902.2 of Section 91.5.900, Division 9, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.902.2. Fire-retardant-treated Shingles and Shakes. Fire-retardant-treated wood shakes and shingles are wood shakes and shingles complying with UBC

Standard 15-3 or 15-4 which are impregnated by the full-cell vacuum-pressure process with fire-retardant chemicals, and which have been qualified by UBC Standard 15-2 or ASTM E108 or UL 790 for use on Class A, B or C roofs. Fire-retardant-treated wood shakes and shingles shall comply with ICC-ES EG107 and with the weathering requirements contained in California Health and Safety Code Section 13132.7(j). Each bundle shall bear labels from an ICBO accredited quality control agency identifying their roof-covering classification and indicating their compliance with ICC-ES EG107 and with the weathering requirements contained in California Health and Safety Code Section 13132.7(j).

No wood shake or shingle roof covering is permitted as provided by LAMC Subsection 91.1505.1.

Sec. 508. Subsection 91.5.1001.3.1 of Section 91.5.1000, Division 10, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted.

Sec. 509. Section 92.0302 of Division 3, Article 2, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

All inclined elevators in private residences shall comply with the provisions of ASME A 17.1-2004, A17.1-2004 Sections 5.3.1.7.2 and this article. Part 5, Section 5.4 of ASME A 17.1-2004 is adopted by reference, with the following exceptions and modifications: ASME Sections 5.3.1.7.2, 5.3.1.7.7, 5.3.1.18.4, 5.3.1.18.5 and 5.4.8 are not adopted.

(a) **Suspension Means.** Suspension means shall comply with Part 5, Section 5.3.1.12 of ASME A 17.1-2004.

(b) **Machine and Controls.** Machine and controls shall be located as follows:

1. Machines, controls and disconcerting means shall not be mounted on cars, and shall be located outside of the hoistway in spaces dedicated to the elevator equipment.
2. The machine room shall have a head clearance of at least seven feet, and shall be provided with permanent electric lighting and a duplex receptacle rated at not less than 15A at 120V.
3. Required workspace clearance for elevator control and/or machinery spaces shall be located entirely within the interior of the building.

(c) **Maintenance.** The owner shall develop, implement, and maintain a written maintenance program for Private Residence Inclined Elevators in accordance with the manufacturer's recommendations. The maintenance

shall be performed by a registered Journey-Level Elevator Mechanic as required by LAMC Section 92.0119. A log of all repairs and maintenance shall be kept at the location.

Sec. 510. Section 92.0304, Division 3, Article 2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

All elevators in private residences shall comply with the provisions of ASME A17.1-2004 and this article. 5, Section 5.3 of ASME A17.1-2004 is adopted by reference, with the following exceptions and modifications: Sections 5.3.1.7.2, 5.3.1.7.7, 5.3.1.8.1(a), 5.3.1.8.1(d), 5.3.1.18.4(a) and 5.3.1.18.5 are not adopted. ASME A17.1-2004 Sections 5.3.1.7.2 and 5.3.1.8 are adopted by reference, Sections 5.3.1.8.1(a), 5.3.1.8.1(d) are not adopted.

(a) **Car Enclosure.** Except at entrances, cars shall be enclosed on all sides and on the top. The enclosure shall be constructed of solid material, except openwork material may be provided for ventilation. When openwork material for ventilation is provided, it shall meet the requirement of ASME A17.1-2004, Rule 2.14.2.3.

(b) **Machine and Controls.** Machine and controls shall be located as follows:

1. Machines, controls and disconcerting means shall not be mounted on cars, and shall be located outside of the hoistway in spaces dedicated to the elevator equipment.
2. The machine room shall have a head clearance of at least 7 feet, and shall be provided with permanent electric lighting and a duplex receptacle rated at not less than 15A at 120V.
3. Required workspace clearance for elevator control and/or machinery spaces shall be located entirely within the interior of the building.

(c) **Car Doors and Gates.** A car door, when closed, shall guard the full opening of the entrance to the car. Car doors or gates shall be of solid construction. Scissors type gates are prohibited.

(d) **Glass in Hoistway Landing Doors.** Glass used in hoistway landing doors shall comply with ASME A17.1-2004, Section 2.11.7.

(e) **Car Platform and Landing Sills.** Sills shall be of metal and shall comply with ASME A17.1-2004, Rule 2.11.10.1.1 except 2.11.10.1.1(c).

(f) **Projections or Setbacks in the Hoistway.** Any projection or

setbacks in the hoistway shall comply with ASME A17.1-2004, Section 2.1.6 except Rule 2.1.6.2(b) and Rule 2.1.6.2(d) where projections or setbacks allow 4 inches (101.6 mm), this shall be reduced to 2 inches (50.8 mm).

(g) **Glass Used in a Hoistway of a Non-Fire Resistive Construction.** Glass used in the hoistway shall comply with ASME A17.1-2004, Rule 2.1.1.2.1, Rule 2.1.1.2.2(d) and Rule 2.1.1.5 and shall also comply with the following:

1. Entrance into the bottom (below car) of the hoistway or at the top (above car) of the hoistway for cleaning and maintenance purposes shall comply with ASME A17.1-2004, Rule 5.2.1.4.2 (Bottom) and Rule 5.2.1.4.4 (top).

2. The cleaning and maintenance of the glass in the hoistway shall comply with the following:

- (i) The cleaning of glass car enclosure and/or hoistway enclosures from inside the hoistway shall be performed by a City of Los Angeles Licensed Journey Level Elevator Mechanic as required by LAMC Section 92.0119 and employed by a State of California C11 Licensed Elevator Company.

- (ii) A written cleaning procedure shall be developed by the original installation elevator company and kept on the premises where the elevator controller is located. The procedure shall identify the hazards and shall also detail safety precautions to be utilized.

- (iii) A maintenance data plate with lettering a minimum size of 6 mm (0.25 inch) high on a contrasting background shall be fastened in a conspicuous place inside the elevator stating:
"ALL MAINTENANCE OF ELEVATOR, INCLUDING THE
CLEANING OF GLASS, SHALL BE PERFORMED AS
REQUIRED BY LAMC Section 92.0119."

- (iv) A copy of the glass cleaning procedure from the original elevator installation company, on the original elevator installation company's letterhead, shall be made available on the acceptance inspection to the LADBS Elevator Division.

Sec. 511. Section 93.0101 of Division 1, Article 3, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 93.0101. TITLE.

This article shall be known as the "Los Angeles Electrical Code" a portion of the "Los Angeles Municipal Code." Wherever the word "Code" is used in this article, it shall mean the "Los Angeles Electrical Code" and whenever "LAMC" is used, it shall refer to the "Los Angeles Municipal Code." References to the "CEC" and the "CBSC" shall mean the 2025 "California Electrical Code" and the 2025 "California Building Standards Codes" respectively. Whenever the word "City" is used, it shall mean the "City of Los Angeles." Whenever the word "Department" is used, it shall mean the "Department of Building and Safety."

Sec. 512. Subsection (a) of Section 93.0202, Division 2, Article 3, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

(a) No permit shall be required in the following cases:

1. Electric wiring expressly declared to be exempt from permit requirements of this Code by any other sections of the Code or by any other provisions of the LAMC.
2. Wiring for temporary theater sets on the theater stages or temporary motion picture or television sets on any property belonging to or under the control of the City, privately owned studios, theaters, or similar locations designed for that usage.
3. Installation of any portable motor or other portable appliance energized by means of a cord or cable having an attachment plug end, when that cord or cable is permitted by this Code.
4. Repair or replacement of fixed motors or fixed appliances, supplied by branch circuits not exceeding 20 amperes and not exceeding 240 volts nominal, of the same type and rating in the same location where not located in an area classed as "hazardous" under CEC Article 500.
5. Festive temporary decorative lighting in dwelling occupancies only, for a period not to exceed 90 days.
6. Repair or replacement of current-carrying parts of any switch, contactor or control device.
7. Reinstallation of attachment plug receptacle, but not the outlets for it.
8. Replacement of any overcurrent device of the same rating and in the same location.
9. Replacement of gas tube electrodes, transformers, tubes, drivers and power supplies with the same original manufactured parts having the same size, type, capacity and ratings for electric signs, or luminaries.

10. Taping of joints.
 11. Removal of electric wiring.
 12. Temporary wiring for experimental purposes in suitable experimental laboratories.
 13. The following electrical wiring:
 - (i) Non-required signaling circuits supplied by an approved Class 2 limited power source, capable of supplying not more than 30 volts and 100 volt-amperes; and
 - (ii) Non-required communication circuits which have the power limited in accordance with CEC Section 725.121; and
 - (iii) Non-required amplifier output circuits which are permitted by CEC Section 640.9(C) to employ Class 2 or Class 3 wiring; and
 - (iv) Any non-required circuit which operates at 12.4 volts or less and does not generate, transmit, transform, utilize or control more than 25 watts or volt-amperes of electric power.
- EXCEPTION:** A No permit is required when provided the above-described wiring is not located in any of the following locations:
- a. Area classified as "hazardous" under CEC Article 500; or
 - b. Appurtenant to a required fire alarm and signaling system as classified under CEC Article 760; or
 - c. Penetrating any fire-resistive wall, floor, or ceiling system.; or
 - d. In a plenum, duct or other space used for environmental air including access floors.
14. Any similar repair or replacement determined by the Department not to involve any hazard to life or property.
 15. Repair or replacement of like in kind luminaires in single-family dwellings.
 16. Any electric wiring, except wiring located in an area classified as "hazardous" under CEC Article 500 after the branch circuit distribution panelboards used exclusively to supply or interconnect equipment installed, owned, operated or maintained by a communication public utility and used exclusively for

communication purposes, in the exercise of its communication public utility functions within the communication public utility controlled areas.

17. The replacement of defective smoke detectors, smoke alarms or carbon monoxide alarms in a single-family dwelling when the work is performed by a contractor with a valid Certificate of Registration pursuant to LAMC Section 91.1704. A Certificate of Compliance pursuant to LAMC Subsection 91.108.12 must be filed with the City in lieu of a permit.

18. Electric wiring in the Harbor District pursuant to Section 98.0102.1(a) of the LAMC.

Sec. 513. Subsection (b) of Section 93.0206, Division 2, Article 3, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

(b) Plans and specifications for all wiring intended to be installed on the premises shall be submitted to and approved by the Department before a permit is issued and before installing any wiring related to the following:

1. Theaters or motion picture theaters.
2. Places of assembly.
3. All health care facilities within the scope of CEC Article 517.

4. A new building or an addition to a building if the computed area exceeds 30,000 square feet (2,787 m²), any first-time tenant(s), any installation if the new total connected load exceeds 400 amperes, or the installation of equipment rated 600 amperes or more. The computed area shall be the sum of the areas on each floor bounded by the outside surfaces of the exterior walls and shall include floor areas beneath building projections that extend more than 6 feet (182.8 mm);

EXCEPTION: When the service distribution board includes a main breaker rated at 400A or less and a busbar rated at 600A or more, the main breaker shall be utilized to determine the rating, as specified in Section 93.0206(b)(4). A permanent placard indicating the service size provided by the utility company must be affixed and compliant with 93.110.21

Note: The rating of the main breaker shall match the service being provided by the utility company.

5. All electrical installations over 600 volts.
6. Installation in locations classified as hazardous locations, unless otherwise satisfactory to the Department.

7. Projects which include the installation of exit signs, egress lighting or security lighting.

8. Installation of a complicated electrical system as determined by the Department, such as Emergency, Legally Required Standby, Fire Alarm and Signaling, and Gas Detection Systems, except for the following:

(i) The addition of strobe power supplies and their attached devices connected to any existing fire control unit or panel. (Note: This exception does not apply for a first-time tenant.)

(ii) The installation of special extinguishing, central station monitoring systems, dialers, and their attached devices.

(iii) The addition of any fire alarm and signaling devices connected to an existing addressable fire alarm and signaling system. (Note: this exception does not apply for a first-time tenant.)

9. Installation of lighting fixtures weighing more than 300 pounds.

10. Installation of renewable energy system(s) (i.e., photovoltaic, wind, fuel cell, etc.).

EXCEPTION: Department approved online permitted Standard plans.

11. Installation of Energy Storage System(s) (ESS).

EXCEPTION: Department approved online permitted Standard plans.

12. Engineering calculation(s) and analysis.

Sec. 514. Subsection (a) of Section 93.0217, Division 2, Article 3, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

(a) The fees for installing, replacing or relocating, each fire alarm and signaling system, communication, control or signal system equipment, or portion thereof, shall be as follows:

Number or Devices	Fees
1 to 10 total devices	\$48.00
11 to 40 devices	\$4.00 each
41 or more devices	\$3.00 each
Each control panel, standby power supply panel, annunciator panel or similar main piece of control equipment for one of the above systems	\$36.00

For the purpose of this subsection, devices shall include all signaling equipment, stations, power equipment such as damper actuators or door holding devices, communication jacks or outlets, control sensors, or switches or remote indicators, and smoke detectors that are part of fire alarm and signaling systems or process

EXCEPTION: Communications equipment installed, owned or operated and maintained by a communications public utility and exempt under the provisions of LAMC Section 93.0108(c).

Sec. 515. Section 93.0314 of Division 3, Article 3, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0314. RESPONSIBILITY FOR COMPLIANCE.

Every person designing, engineering, installing, altering, repairing, using or maintaining electric wiring shall be responsible for compliance with this Code.

Sec. 516. Section 93.0402 of Division 4, Article 3, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0402. ELECTRICAL EQUIPMENT.

Electrical equipment, as defined in CEC Article 100; shall either be approved by the Department or be listed or be certified by a Department approved Electrical Testing Agency.

Listed or certified electrical equipment shall bear the label, symbol, or other identifying mark of the approved testing agency. The equipment shall be installed, used, and maintained in conformance with its listing or certification and the Los Angeles Electrical Code. All nationally recognized test labs shall be on the OSHA approval list.

Sec. 517. Section 93.0501 of Division 5, Article 3, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0501. QUALIFIED INSTALLER.

It is unlawful for any person to install, alter, reconstruct, or repair any electrical system unless they are a qualified installer or are working under the direct supervision of a qualified installer. The person obtaining the permit shall be a qualified installer or their authorized agent, as defined below, or be exempt from licensing requirements as specified by the California State Licensing Board.

A qualified installer is:

- (a) A person who holds a valid contractor's license in the appropriate classification issued by the State of California; or

(b) A person who holds a valid Maintenance Certificate of Registration issued pursuant to the provisions of this Code; or

(c) A person who is the owner of a single- family dwelling and has demonstrated to the satisfaction of the Department their qualifications to satisfactorily perform electric wiring in the dwelling which is occupied by the owner, and their accessory buildings, provided that all of the following conditions are met:

(1) The work is performed prior to sale of the dwelling.

(2) The owner actually resides in the dwelling.

(3) The owner has not used this exemption for more than two structures within any three-year period.

(d) A person employed by a governmental agency subject to this Code, who is deemed qualified by the Department to supervise or perform electrical work regulated under this Code.

(e) A person who has journey-level experience in the appropriate classification as defined by the California State Licensing Board. Journey-level experience applies to a person who has completed an apprenticeship program or is an experienced worker, not a trainee, and is fully qualified and able to perform a specific trade without supervision. However, that person does not have a license and is not able to contract for jobs that require a building permit or use employee labor or are more than \$1,000 in labor and materials.

Sec. 518. The first paragraph of Section 93.0700, Division 7, Article 3, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 93.0700. THE CALIFORNIA ELECTRICAL CODE.

Chapters 1 through 9, Annex C, H, G and I of the 2023 National Electrical Code (NEC), as published by the National Fire Protection Association (N.F.P.A. 70), the California Electrical Code (CEC) and the California Building Standards Code are adopted by reference as part of the Code. When there is a conflict between the 2023 NEC, the CEC and the Los Angeles Municipal Code (LAMC), LAMC Section 93.0105 shall prevail. Except as specified in Divisions 1 through 7 of Article 3, Chapter IX of the LAMC, all electrical installations and materials shall be in conformity with the California Electrical Code, as adopted by reference to be part of this Code; and Subsections 93.0700.19, 93.515.17 and 93.515.18 are added as provided here.

Sec. 519. Subsection 93.0700.19 of Section 93.0700, Division 7, Article 3, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

93.0700.19. Illuminated Exit Signs. Illuminated exit signs used as part of emergency system shall be supplied from two independent branch circuits. One branch circuit shall be supplied from an emergency system, and the other branch circuit shall be supplied from a normal system.

EXCEPTION: Battery-Equipped Emergency Luminaires as permitted in CEC Section 700.12(H).

Sec. 520. Subsection 94.101.1 of Section 94.101.0, Division 1, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.101.1. Title. This article shall be known as the "Los Angeles Plumbing Code," a portion of the Los Angeles Municipal Code, and wherever the word "Code" is used in this article, it shall mean the "Los Angeles Plumbing Code" and whenever "LAMC" is used, it shall mean the Los Angeles Municipal Code. Whenever the word "City" is used in this article, it shall mean "City of Los Angeles." Whenever the word "Department" is used in this article, it shall mean "Department of Building and Safety."

The Los Angeles Plumbing Code adopts by indicated reference portions of the 2025 California Plumbing Code (CPC) of Title 24 of the California Code of Regulations (CCR).

Sec. 521. Section 94.205.0. C. of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.205.0. C.

Section 205.0 of the CPC is adopted by reference with the following additions and amendments:

California Plumbing Code (CPC). The 2025 Edition of the California Plumbing Code, also known as Part 5, Title 24 of the California Code of Regulations (CCR), a portion of the California Building Standards Code.

Sec. 522. Section 94.216.0. N. of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.216.0. N.

Section 216.0 of the CPC is hereby adopted by reference.

Sec. 523. Section 94.217.0. O. of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.217.0. O.

Section 217.0 of the CPC is hereby adopted by reference.

Sec. 524. Section 94.218.0. P. of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.218.0. P.

Section 218.0 of the CPC is hereby adopted by reference.

Sec. 525. The first sentence of Section 94.219.0. Q., Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 219.0 of the CPC is adopted by reference with the following additions and amendments.

Sec. 526. Subsection 94.407.2.4 of Section 94.400.0, Division 4, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 527. A new Subsection 94.407.2.4.1 is added to Section 94.400.0 of Division 4, Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.407.2.4.1. All faucets in public restrooms shall be self-closing or self-closing metering faucets. Metered faucets shall deliver a maximum of 0.20 gallons (0.76 L) per metering cycle.

Sec. 528. Subsection 94.414.4 of Section 94.400.0, Division 4, Article 4, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 94.414.5 and amended to read as follows:

94.414.5. Commercial Dishwashers. Water use for commercial dishwashers shall meet the following requirements:

Type	High-Temperature Maximum Gallons Per Rack	Chemical Maximum Gallons Per Rack
Conveyer	0.7	0.62
Door	0.95	1.16
Under-counter	0.9	0.98
Note: All installed dishwashers shall be Energy Star® rated		

Sec. 529. Subsection 94.414.5 of Section 94.400.0, Division 4, Article 4, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 94.414.6 and amended to read as follows:

94.414.6. Domestic Dishwashers. The maximum water use per washing cycle for domestic dishwasher shall be 5.8 gallons (21.95L).

Sec. 530. Section 94.600.0 of Division 6, Article 4 Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 94.600.0. BASIC PROVISIONS.

Chapter 6 of the CPC is adopted by reference with the following exceptions: CPC Sections 603.5.12 and 610.5 are not adopted and Los Angeles Municipal Code Subsections 94.94.610.4.1, 94.610.4.1.1, 94.610.4.1.2, 94.610.4.1.3, and 94.610.5 are added.

Sec. 531. Subsection 94.603.5.12 of Section 94.600.0, Division 6, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 532. The title and table of contents of Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code are hereby amended to read as follows:

**DIVISION 12
FUEL GAS PIPING**

Section
94.1200.0 Basic Provisions.
94.1216.0 Seismic Gas Shutoff Valves.

Sec. 533. A new Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 94.1216.0. SEISMIC GAS SHUTOFF VALVES

Sec. 534. A new Subsection 94.1216.1 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.1. Definitions. For purposes of this section, certain terms shall be defined as follows:

Downstream of the Gas Utility Meter shall refer to all customer owned gas piping, downstream of the bypass valve, as specified by the public gas utility company.

Excess Flow Shutoff Valve shall mean a shutoff system activated by significant gas leaks or overpressure surges downstream of the valves.

Residential Building shall mean any single-family dwelling, duplex, apartment building, condominium, townhouse, lodging house, congregate residence, hotel or motel.

Seismic Gas Shutoff Valve shall mean a system consisting of a seismic sensing means and actuating means designed to automatically actuate a companion gas shutoff means installed in a gas piping system in order to shutoff the gas downstream of the location of the gas shutoff means in the event of a severe seismic disturbance. The system may consist of separable components or may incorporate all functions in a single body. The terms "Seismically Activated Gas Shutoff Valves" and "Earthquake Sensitive Gas Shutoff Valves" are synonymous.

Upstream of the Gas Utility Meter shall refer to all gas piping installed by the utility up to and including the meter and the utility's bypass tee at the connection to the customer owned piping.

Sec. 535. A new Subsection 94.1216.2 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.2. Scope. An approved seismic gas shutoff valve or excess flow shutoff valve shall be installed downstream of the gas utility meter on each fuel gas line where the gas line serves the following buildings or structures:

Sec. 536. A new Subsection 94.1216.2.1 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.2.1. A building or structure containing fuel gas piping for which a building permit was first issued on or after September 1, 1995.

Sec. 537. A new Subsection 94.1216.2.2 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.2.2. An existing building or structure which is altered or added to; and

Sec. 538. A new Subsection 94.1216.2.2.1 of Section 94.1216.0 is added to Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.2.2.1. That building or structure has fuel gas piping supplying the existing building or structure or the addition to the building or structure; and

Sec. 539. A new Subsection 94.1216.2.2.2 of Section 94.1216.0 is added to Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.2.2.2. The alteration or addition is valued at more than \$10,000 and a building permit for the work in commercial buildings was first issued on or after September 1, 1995. Alterations or additions to individual units or tenant spaces shall require a seismic gas shutoff valve or excess flow shutoff valve to be installed for all gas piping serving that individual unit or tenant space; or

Sec. 540. A new Subsection 94.1216.2.2.3 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.2.2.3. The alteration or addition is valued at more than \$10,000 and a building permit for the work in residential buildings, including condominium units, is first issued on or after January 10, 1998. Alterations or additions to an individual condominium unit shall require a seismic gas shutoff valve or excess flow shutoff valve to be installed for all gas piping serving that individual condominium unit; or

Sec. 541. A new Subsection 94.1216.2.2.4 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.2.2.4. The alteration or addition is to the fuel gas piping system and involves the alteration or replacement of the gas meter.

Sec. 542. A new Subsection 94.1216.2.3 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.2.3. Prior to entering into an agreement of sale, or prior to the close of escrow when an escrow agreement has been executed in connection with the sale,

1. Buildings or structures which contain fuel gas piping shall have a seismic gas shutoff valve or excess flow shutoff valve installed.
2. The sale of an individual condominium unit in a building shall require the installation of a seismic gas shutoff valve or excess flow shutoff valve for all gas piping serving that individual unit.

EXCEPTIONS:

- (a) Seismic gas shutoff valves or excess flow shutoff valve may be installed upstream of a gas utility meter provided they meet the requirements of this section.
- (b) Seismic gas shutoff valves or excess flow shutoff valve installed on a

building or structure prior to September 1, 1995, are exempt from the requirements of this section provided they remain installed on the building or structure and are maintained for the life of the building or structure.

(c) Notwithstanding LAMC Subdivisions 94.1216.2.1, 94.1216.2.2 and 94.1216.2.3 above, these provisions shall not apply to a building or structure if the Department determines that a building or structure satisfies all three of the following criteria:

(i) That the building or structure is owned, operated, and maintained by a governmental entity or public utility; or that the building or structure is owned by a private concern and provides a public benefit, such as a co-generation facility which shares its excess power with a public utility or with a large industrial facility which has governmental contracts;

(ii) That the building or structure has available 24-hour, year round maintenance staffing; and

(iii) That the gas piping system contained in the building or structure is designed to withstand seismic effects of earthquakes.

(d) A single seismic gas shutoff valve or excess flow shutoff valve may be installed upstream of the gas utility meter at the discretion of the gas utility.

Sec. 543. A new Subsection 94.1216.3 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.3. General Requirements. Seismic gas shutoff valves or excess flow shutoff valves installed either in compliance with LAMC Subsection 94.1216.2, et seq., or voluntarily with a permit issued on or after September 1, 1995, shall comply with the following requirements:

Sec. 544. A new Subsection 94.1216.3.1 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.3.1. Seismic gas shutoff valves or excess flow shutoff valve shall be installed by a contractor licensed in the appropriate classification by the State of California.

EXCEPTIONS:

(a) A person who has been determined by the Department to meet the qualifications of a Qualified Installer pursuant to the definition of a Qualified Installer set forth in Article 4, Chapter IX of the LAMC may install a seismic

gas shutoff valve or excess flow shutoff valve to a single-family dwelling which is or is intended to be occupied by the Qualified Installer.

(b) Seismic gas shutoff valves or excess flow shutoff valve may be installed, without a permit, by a gas utility or a contractor authorized by the gas utility when the valves are installed upstream of the gas utility meter and the valves are installed and approved in accordance with this section.

Sec. 545. A new Subsection 94.1216.3.2 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.3.2. Seismic gas shutoff valves or excess flow shutoff valve shall be mounted rigidly to the exterior, or other approved location, of the building or structure containing the fuel gas piping.

EXCEPTION: If the Department determines that the seismic gas shutoff valve or excess flow shutoff valve has been tested and listed for an alternate method of installation, then a seismic gas shutoff valve or excess flow shutoff valve need not be mounted rigidly to the exterior of the building or structure containing the fuel gas piping.

Sec. 546. A new Subsection 94.1216.3.3 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.3.3. Be certified by the Office of the State Architect.

Sec. 547. A new Subsection 94.1216.3.4 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.3.4. Be approved by the Department of Building and Safety, Mechanical Testing Laboratory.

Sec. 548. A new Subsection 94.1216.3.5 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.3.5. Have a thirty (30) year warranty which warrants that the valve is free from defects and will continue to properly operate for thirty (30) years from the date of installation.

Sec. 549. A new Subsection 94.1216.3.6 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.3.6. Where seismic gas shutoff valves or excess flow shutoff valve are installed as required by this section, they shall be maintained for the life of the building or structure or be replaced with a valve complying with the requirements of this section.

Sec. 550. A new Subsection 94.1216.3.7 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.3.7. Seismic gas shutoff valves must be in compliance with all requirements of California Referenced Standard 12-16-1, at Part 12, Title 24, of the California Code of Regulations (CCR).

Sec. 551. A new Subsection 94.1216.3.8 of Section 94.1216.0 is added to Division 12 of Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

94.1216.3.8. Excess flow shutoff valves must be in compliance with all requirements of California Referenced Standard 12-16-2. (Part 12, Title 24, of the CCR).

Sec. 552. Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 553. Subsection 94.1217.1 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 554. Subsection 94.1217.2 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 555. Subsection 94.1217.2.1 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 556. Subsection 94.1217.2.2 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 557. Subsection 94.1217.2.2.1 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 558. Subsection 94.1217.2.2.2 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 559. Subsection 94.1217.2.2.3 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 560. Subsection 94.1217.2.2.4 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 561. Subsection 94.1217.2.3 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 562. Subsection 94.1217.3 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 563. Subsection 94.1217.3.1 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 564. Subsection 94.1217.3.2 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 565. Subsection 94.1217.3.3 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 566. Subsection 94.1217.3.4 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 567. Subsection 94.1217.3.5 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 568. Subsection 94.1217.3.6 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 569. Subsection 94.1217.3.7 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 570. Subsection 94.1217.3.8 of Section 94.1217.0, Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 571. Section 94.1800.0 of Division 18, Article 4 Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1800.0. BASIC PROVISIONS.

The 2024 Uniform Solar Energy, Hydronics, and Geothermal code is adopted by reference, except Chapters 1, 8, and the Appendices are not adopted.

Sec. 572. Section 94.1900.0 of Division 19, Article 4 Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1900.0. BASIC PROVISIONS.

The 2024 Uniform Swimming Pool, Spa, and Hot Tub Code is adopted by reference, except Chapters 1, 3, 4, 8, and 9 are not adopted.

Sec. 573. Section 94.2010.0, Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is amended, to read as follows:

SEC. 94.2010.0. NFPA 13.

Chapter 35 of the 2025 California Building Code to the extent it adopts and amends NFPA 13 is adopted by reference and the following Subsections are added to read as follows:

Sec. 574. Subsection 94.2010.1 of Section 94.2010.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.1. Comply with the sprinkler provisions in Chapters 4 and 9 of the California Building Code as they pertain to sprinkler systems.

Sec. 575. Subsection 94.2010.2 of Section 94.2010.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.2. NFPA 13 Section 3.3.252 is added to read as follows:

3.3.252. Water Curtain is a line of closely spaced fire sprinklers (or a single sprinkler) aligned adjacent to openings to keep fire from penetrating those openings.

Sec. 575. Subsection 94.2010.3 of Section 94.2010.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.3. NFPA 13 Section 9.3.5.5 is added to read as follows:

9.3.5.5. Water curtains shall consist of closely spaced sprinklers and draft stops that are made of noncombustible or limited combustible material. The draft stops shall be located immediately adjacent to the opening and shall be at least 18 inches (47.2 mm) deep measured from the sprinkler deflector to the bottom of the draft stop and shall be of noncombustible or limited-combustible material. Sprinklers shall be spaced not more than 6 feet (1929.8 mm) apart and placed 6 to 12 inches (152.4 mm to 304.8 mm) from the draft stop on the side away from the opening. Where sprinklers are closer than 6 feet (1828.8 mm), cross baffles shall be provided in accordance with NFPA 13 Section 10.2.6.4.2.

Sec. 576. Section 94.2013.0 of Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 94.2013.0. NFPA 13R.

Chapter 35 of the 2025 California Building Code to the extent it adopts and amends NFPA 13R is adopted by reference and LAMC Subsection 94.2013.1 is added to read as follows:

Sec. 577. Subsection 94.2013.1 of Section 94.2013.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2013.1. Comply with the sprinkler provisions in Chapters 4 and 9 of the California Building Code as they pertain to NFPA 13R.

Sec. 578. Section 94.2014.0 of Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 94.2014.0. NFPA 13D.

Chapter 35 of the 20252 California Building Code to the extent it adopts and amends NFPA 13D is adopted by reference and LAMC Subsection 94.2014.1 is added to read as follows:

Sec. 579. Subsection 94.2014.1 of Section 94.2014.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2014.1. Comply with the sprinkler provisions in Chapters 4 and 9 of the California Building Code as they pertain to sprinkler systems in residential occupancies within the scope of NFPA 13D.

Sec. 580. Section 94.2020.0, Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 94.2020.0. NFPA 14.

Chapter 35 of the 2025 California Building Code to the extent it adopts and amends NFPA 14 is adopted by reference and the following Los Angeles Municipal Code subsections are added to read as follows:

Sec. 581. Subsection 94.2020.1 of Section 94.2020.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2020.1. Comply with the fire sprinkler provisions in Chapters 4, 9, and 33 of the California Building Code as they pertain to NFPA 14.

Sec. 582. Subsection 94.2020.2 of Section 94.2020.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 583. Subsection 94.2020.3 of Section 94.2020.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2020.3. NFPA 14 Section 9.1.1 is hereby added to read as follows:

9.1.5. Water supplies from the following sources shall be permitted:

1. A public waterworks system where pressure and flow rate are adequate;
2. Automatic fire pumps connected to an approved water source in accordance with NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection.

Sec. 584. Subsection 94.2020.5 of Section 94.2020.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2020.5. NFPA 14 Section 12.2.22 is amended to read as follows:

12.2.22. Flushing the System Riser. Water shall flow from the topmost outlet of each riser until the system is clear of debris.

12.2.22.1. Roof Outlets. Standpipe risers going through the last floor of the building, through a floor under a roof, or adjacent to a roof shall be designed so that they can be flushed through outlets located on roof.

12.2.22.2. Flow. All standpipes shall be flushed individually through the roof, or in the absence of roof outlets, through the topmost outlet at a residual pressure of at least 65 psi. The flow for Class I and Class III standpipes shall be at least 500 g.p.m through each riser.

Sec. 585. Section 94.2030.0 of Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 94.2030.0. FIRE PUMPS AND DRIVERS.

Chapter 35 of the 2025 California Building Code to the extent it adopts and amends NFPA 20 is adopted by reference and Los Angeles Municipal Code Subsections 94.2030.1, 94.2030.2, and 94.2030.3 are amended or added to read as follows:

Sec. 586. Subsection 94.2030.1 of Section 94.2030.0, Division 20, Article 4,

Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2030.1. Comply with the fire pump provisions in Chapters 4 and 9 of the California Building Code.

Sec. 587. Subsection 94.2030.2 of Section 94.2030.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2030.2. NFPA 20 Sec. 4.16.11 is added to read as follows:

4.16.11. Fire Department Connections. Fire Department connections shall not be connected to the suction side of the pump.

Sec. 588. Section 94.2040.0 of Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 94.2040.0. NFPA 24 INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES.

Chapter 35 of the 2025 California Building Code to the extent it adopts and amends NFPA 24 is adopted by reference.

Sec. 589. Subsection 94.2040.1 of Section 94.2040.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2040.1. Comply with the provisions in Chapter 9 of the California Building Code as it pertains to the installation of private fire service mains and their appurtenances.

Sec. 590. Section 94.2050.0, Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 94.2050.0. FIRE PROTECTION TANKS.

Comply with the fire tank provisions in Chapters 4 and 9 of the California Building Code as it pertains to Fire Protection Tanks.

Sec. 591. Subsection 94.2050.1 of Section 94.2050.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 592. Subsection 94.2050.2 of Section 94.2050.0, Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 94.2050.1 and amended to read as follows:

94.2050.1. Water Tanks in High-Rise Buildings.

1. One or more water tanks shall be installed to serve the fire sprinklers and standpipes in a high-rise building. No tanks shall serve more than one building, however, one water service may supply tanks for more than one building, structure or tower.

2. The tank shall be supplied from the City water main via an automatic fill line. The auto-fill system shall be sized to replenish the water in the tank at a rate equal to, or greater than, the required fire pump capacity. The auto-fill lines shall be a minimum of two inches in diameter and shall not exceed a maximum of four inlets into the tank. The auto-fill system bypass shall be provided around all fill lines with a shut off valve that is normally closed. Means shall be provided to flow test the automatic fill valves individually and collectively. A minimum 2 inches tank auxiliary drain valve shall be required for all water storage tanks to accommodate testing.

3. The capacity of the tank shall be based on the requirements in Section 403.3.3 of the California Building Code.

Sec. 593. Section 94.2100.0 of Division 21, Article 4 Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Appendices B, D, H, I, and J of the 2022 California Plumbing Code are adopted by reference. Appendices C, E, F, G, K, L, M, and N of the California Plumbing Code are not adopted, and Appendix A of the California Plumbing Code is adopted by reference with the following amendment:

A 104.1. Residual Pressures. Decide what is the desirable minimum residual pressure that shall be maintained at the highest fixture in the supply system. The available residual pressure shall be not less than 15 psi (103 kPa). Where fixtures, fixture fittings or both are installed that require residual pressure exceeding 15 psi (103 kPa), that minimum residual pressure shall be provided.

Sec. 594. Subsection 95.101.1 of Section 95.101, Division 1, Article 5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

95.101.1. Title. This article is a portion of the Los Angeles Municipal Code and shall be known as the Los Angeles Mechanical Code. Whenever the word Code is used in this article, it shall mean the Los Angeles Mechanical Code.

The Los Angeles Mechanical Code adopts by indicated reference portions of the 2025 California Mechanical Code (CMC) which is Part 4 of Title 24 of the California Code of Regulations (CCR).

Sec. 595. Section 96.3030 of Division D, Article 6 Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 96.303. APPLICATION.

Upon written application by the owner or the owner's agent to the Department of Building and Safety on forms provided by the City and the payment of a fee specified herein to the Department of Building and Safety, the Superintendent of Building and the City Engineer shall review the appropriate City records. This application shall contain the name and address of the owner, the legal description, the county assessor's map book page and parcel number and, if available, the street address of the residential property for which the reports are sought.

The application for the report regarding a sale or exchange of a residential property shall not be accepted by the Department of Building and Safety until such time as the applicant provides the Department of Building and Safety with one of the following:

1. A declaration under penalty of perjury by the owner certifying that in the residential property for which the report is sought:
 - (a) Smoke detectors have been installed in accordance with Section 91.8603 of the Los Angeles Municipal Code; and
 - (b) Impact hazard glazing has been installed in accordance with Section 91.6101 of the Los Angeles Municipal Code; and
 - (c) Water conservation devices have been installed in accordance with Section 122.03 of the Los Angeles Municipal Code;
 - (d) Metal bars, grilles, grates, security roll-down shutters, and similar devices over emergency escape windows in sleeping rooms have been installed in accordance with Section 91.6304.3 of the Los Angeles Municipal Code; and
 - (e) Lights and locks have been installed in accordance with Section 91.8607 of the Los Angeles Municipal Code; and
 - (f) Seismic gas shutoff valves have been installed in accordance with Section 94.1216 of the Los Angeles Municipal Code.
2. A declaration under penalty of perjury by the owner certifying that in the residential property for which the report is sought:
 - (a) Smoke detectors will be installed in accordance with Section 91.8603 the Los Angeles Municipal Code; and

(b) Impact hazard glazing will be installed in accordance with Section 91.6101 of the Los Angeles Municipal Code.

The owner shall further certify that such smoke detectors and/or impact hazard glazing will be installed prior to entering into an agreement of sale or contracting for an exchange of a residential property, or, where an escrow agreement has been executed in connection therewith, prior to close of escrow, and that within ten days after the smoke detectors and/or impact hazard glazing is/are installed the owner will so advise the Department of Building and Safety in writing; and

(c) Water conservation devices will be installed in accordance with Section 122.03 of the Los Angeles Municipal Code;

(d) Metal bars, grilles, grates, security roll-down shutters, and similar devices over emergency escape windows in sleeping rooms will be installed in accordance with Section 91.6304.3 of the Los Angeles Municipal Code; and

(e) Lights and locks will be installed in accordance with Section 91.8607 the Los Angeles Municipal Code; and

(f) Seismic gas shutoff valves will be installed in accordance with Section 94.1216 of the Los Angeles Municipal Code.

3. A declaration under penalty of perjury by the buyer certifying that in the residential property for which the report is sought:

(a) Smoke detectors will be installed in accordance with 91.8603 of the Los Angeles Municipal Code Section; and

(b) Impact hazard glazing will be installed in accordance with Section 91.6101 of the Los Angeles Municipal Code.

The buyer shall further certify that such smoke detectors and/or impact hazard glazing will be installed within 30 days after entering into an agreement of sale or contracting for an exchange of a residential property, or, where an escrow agreement has been executed in connection therewith, within 30 days after close of escrow, and that within 10 days after the smoke detectors and/or impact hazard glazing is/are installed the buyer will so advise the Department of Building and Safety in writing; and

(c) Water conservation devices have been installed in accordance with Section 122.03 of the Los Angeles Municipal Code;

(d) Metal bars, grilles, grates, security roll-down shutters, and similar devices over emergency escape windows in sleeping rooms have been installed in accordance with Section 91.6304.3 of the Los Angeles Municipal Code; and

(e) Lights and locks have been installed in accordance with Section 91.8607 of the Los Angeles Municipal Code; and

(f) Seismic gas shutoff valves will be or have been installed in accordance with Section 94.1216 of the Los Angeles Municipal Code.

4. The Department of Building and Safety shall deliver to the applicant, either in person or by mail, the reports required within 15 calendar days after the date of the acceptance of the application.

5. The owner must also provide a declaration under penalty of perjury that the owner has inspected the property for the existence of protected trees and the number of protected trees, if any, located on the subject property. For the purposes of this section, the definition of "protected tree" set forth in Section 46.01 the Los Angeles Municipal Code shall apply. The declaration shall also authorize the Bureau of Street Services within the Department of Public Works to verify this information by entry upon the subject property. A fee may be collected for any inspection required to verify the declaration. The fee shall be determined and adopted in the same manner as provided in Section 12.37 I.1 of the Los Angeles Municipal Code for establishing fees.

Sec. 596. [INTENTIONALLY OMITTED]

Sec. 597. [INTENTIONALLY OMITTED]

Sec. 598. [INTENTIONALLY OMITTED]

Sec. 599. Subsection 99.01.101.1 of Section 99.01.101, Division 1, Article 9, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

99.01.101.1. Title. These regulations shall be known as the Los Angeles Green Building Code and may be cited as such and will be referred to herein as "this Code." The Los Angeles Green Building Code is Article 9 of Chapter IX of the Los Angeles Municipal Code, and adopts by reference the 2025 California Green Building Standards Code (CALGreen) (Part 11, Title 24, of the California Code of Regulations (CCR)) except as amended herein. Whenever the word "City" is used, it shall mean the City of Los Angeles. Whenever the word "Department" is used, it shall mean the Department of Building and Safety of the City of Los Angeles.

Sec. 600. Subsection 99.01.102.2 of Section 99.01.102, Division 1, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

99.01.102.2. Information on Construction Documents. Construction documents shall be of sufficient clarity to indicate the location, nature and scope of the proposed green building feature and show that it will conform to the provisions of this Code, the LAMC and other relevant laws, ordinances, rules and regulations as determined by the Department. The construction document and other data submitted to the Department for checking shall be drawn with ink, indelible pencil, submitted electronically, or shall be made by a reproducible process approved by the Department.

Sec. 601. Subsection 99.01.107.1.1 of Section 99.01.107, Division 1, Article 9, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

99.01.107.1.1. Tier 1 and Tier 2 Fee. When Tier 1 or Tier 2 measures (Tier 1 or Tier 2) per CALGreen Subsections A4.601.4, A4.601.5, A5.601.2, or A5.601.3 are requested to be verified, an additional fee equal to 5% of the plan check and permit fee shall be assessed.

Sec. 602. Subsection 99.04.106.4.2 of Section 99.04.106, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 603. Subsection 99.04.106.4.2.1 of Section 99.04.106, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 604. Subsection 99.04.106.4.2.2 of Section 99.04.106, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 605. Subsection 99.04.106.4.2.2.1 of Section 99.04.106, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 606. Subsection 99.04.106.4.2.2.1.1 of Section 99.04.106, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 607. Subsection 99.04.106.4.2.2.1.2 of Section 99.04.106, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 608. Subsection 99.04.106.4.2.2.1.3 of Section 99.04.106, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 609. Subsection 99.04.106.4.2.3 of Section 99.04.106, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 610. Subsection 99.04.106.4.2.4 of Section 99.04.106, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety

Sec. 611. Subsection 99.04.106.4.2.5 of Section 99.04.303, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 612. Table 99.04.303.4.1 following Subsection 99.04.303.4.1 of Section 99.04.303, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

TABLE 99.04.303.4.1
WATER USE BASELINE ⁴

FIXTURE TYPE	BASELINE FLOW RATE	DURATION	DAILY USES	OCCUPANTS ²
Showerheads	1.8 gpm @ 80 psi	8 min.	1	X ^{2a}
Lavatory Faucets, Residential	1.2 gpm @ 60 psi	.25 min.	3	X
Lavatory Faucets, Common/Public Uses	0.5 gpm @ 60 psi	.25 min.	3	X
Kitchen Faucets	1.8 gpm @ 60 psi	4 min.	1	X ^{2b}
Replacement Aerators	2.2 gpm			
Metering Faucets	0.20 gallons/cycle		3	X
Water Closets	1.28 gallons/flush	1 flush	1 male ¹ 3 female	X
Urinals	0.125 gallons/flush	1 flush	2 male	X

Fixture "Water Use" = Flow rate X Duration X Occupants X Daily uses

1. The daily use number shall be increased to three if urinals are not installed in the room.
2. Refer to Table 4-1, Chapter 4 of the California Plumbing Code, for occupant load factors.
 - a. Shower use by occupants depends on the type of use of a building or portion of a building. For example, the total occupant load for a health club, but only a fraction of the occupants in an office building as determined by the anticipated number of users.
 - b. Kitchen faucet use is determined by the occupant load of the area served by the fixture.
3. Floor-mounted urinals @ 0.5 GPF or wall-mounted urinals @ 0.125 GPF.
4. Use Worksheet WS-1 of the CALGreen Code to calculate baseline water.

Sec. 613. Table 4.504.1 following Subsection 99.04.504.6 of Section 99.04.504, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is renumbered as Table 99.04.504.1 and amended to read as follows:

TABLE 99.04.504.1
ADHESIVE VOC LIMIT ^{1, 2}
Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	VOC LIMIT
Indoor carpet adhesives	50
Carpet pad adhesives	50

Outdoor carpet adhesives	150
Wood flooring adhesives	100
Rubber floor adhesives	60
Subfloor adhesives	50
Ceramic tile adhesives	65
VCT and asphalt tile adhesives	50
Drywall and panel adhesives	50
Cove base adhesives	50
Multipurpose construction adhesives	70
Structural glazing adhesives	100
Single-ply roof membrane adhesives	250
Other adhesives not specifically listed	250
SPECIALTY APPLICATIONS	
PVC welding	510
CPVC welding	490
ABS welding	325
Plastic cement welding	100
Adhesive primer for plastic	550
Contact adhesive	80
Special purpose contact adhesive	250
Structural wood member adhesive	140
Top and trim adhesive	540
SUBSTRATE SPECIFIC APPLICATIONS	
Metal to metal	30
Plastic foams	50
Porous material (except wood)	50
Wood	30
Fiberglass	80

1. If an adhesive is used to bond dissimilar substrates together, the adhesive with the highest VOC content shall be allowed.
2. For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168.

Sec. 614. Table 4.504.2 following Table 4.504.1 of Section 99.04.504, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is renumbered as Table 99.04.504.2 and amended to read as follows:

TABLE 99.04.504.2
SEALANT VOC LIMIT

Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	VOC LIMIT
Architectural	50
Marine deck	760
Non-membrane roof	300
Roadway	250
Single-ply roof membrane	450
Other	420
SEALANT PRIMERS	
Architectural	
Nonporous	250
Porous	775
Modified bituminous	500
Marine deck	760
Other	750

Sec. 615. Table 4.504.3 following Table 4.504.2 of Section 99.04.504, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is renumbered as Table 99.04.504.3 and amended to read as follows:

TABLE 99.04.504.3
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS ^{2, 3}
Grams of VOC per Liter of Coating Less Water and Less Exempt Compounds

COATING CATEGORY	VOC LIMIT
Flat coatings	50
Nonflat coatings	50
Nonflat-high gloss coatings	50
SPECIALTY COATINGS	
Aluminum roof coatings	100
Basement specialty coatings	400
Bituminous roof coatings	50
Bituminous roof primers	350
Bond breakers	350
Concrete curing compounds	100
Concrete curing compounds, Roadways & Bridges	350
Concrete/masonry sealers	100

Driveway sealers	50
Dry fog coatings	50
Faux finishing coatings	
Clear Top Coat	100
Decorative Coatings	350
Glazes	350
Japan	350
Trowel Applied Coatings	50
Fire resistive coatings	150
Floor coatings	50
Form-release compounds	100
Graphic arts coatings (sign paints)	200
High temperature coatings	420
Industrial maintenance coatings	100
Low solids coatings ¹	120
Magnesite cement coatings	450
Mastic texture coatings	100
Metallic pigmented coatings	150
Multicolor coatings	250
Pretreatment wash primers	420
Primers, sealers, and undercoaters	100
Reactive penetrating sealers	350
Recycled coatings	250
Roof coatings	50
Roof coatings, aluminum	100
Rust preventative coatings	100
Shellacs	
Clear	730
Opaque	550
Specialty primers, sealers and undercoaters	100
Stains	100
Stains, Interior	250
Stone consolidants	450
Swimming pool coatings	340
Traffic marking coatings	100
Tub and tile refinish coatings	420
Waterproofing membranes	100

Wood coatings	275
Wood preservatives	350
Zinc-rich primers	100

1. Grams of VOC per liter of coating, including water and including exempt compounds.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the table.
3. Values in this table are derived from those specified by the South Coast Air Management District (SCAQMD) Rule 1113. More information is available from the SCAQMD.

Sec. 616. Subsection 99.05.106.5.3 of Section 99.05.106, Division 5, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted.

Sec. 617. Subsection 99.05.106.5.3.1 of Section 99.05.106, Division 5, Article 9, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

99.05.106.5.3.1. EV Capable Spaces. [N] EV capable spaces shall be provided in accordance with California Green Building Standards Code Table 5.106.5.3.1. However, in all cases, a minimum of thirty percent of the total number of parking spaces on a building site shall be EV capable spaces, and in no case shall less than one EV capable space be provided. Calculations for EV capable spaces shall be rounded up to the nearest whole number. EV capable spaces shall be provided in accordance with the following:

1. Raceways complying with the California Electrical Code and no less than 1 inch diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the EV capable space and into a suitable listed cabinet, box, enclosure or equivalent. A common raceway may be used to serve multiple EV capable spaces.
2. A service panel or subpanel(s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volts, 40-ampere minimum branch circuits for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.
3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space.
4. The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) as "EV CAPABLE." The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

NOTE: A parking space served by electric vehicle supply equipment or designed as a future EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum

parking space requirements established by an enforcement agency. See Vehicle Code Section 22511.2 for further details.

Sec. 618. Subsection 99.05.106.5.3.2 of Section 99.05.106, Division 5, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

99.05.106.5.3.2. Electric Vehicle Charging Stations (EVCS). EV capable spaces shall be provided with electric vehicle supply equipment (EVSE) to create EVCS in the number indicated in California Green Building Standards Code Table 5.106.5.3.1, but in no case less than twenty percent of the total number of actual parking spaces, and in no case less than one. Calculations for spaces shall be rounded up to the nearest whole number. The EVCS required by Los Angeles Municipal Code Subsection 99.05.106.5.3.1 shall be provided with Level 2 EVSE or DCFC as permitted in California Green Building Standards Code Section 5.106.5.3.2.3.

One EV charger with multiple connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by California Green Building Standards Code 5.106.5.3.11 for each EV capable space is accumulatively supplied to the EV charger.

Sec. 619. Subsection 99.05.106.5.3.3 of Section 99.05.106, Division 5, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 620. Subsection 99.05.106.5.3.4 of Section 99.05.106, Division 5, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 621. Subsection 99.05.106.5.3.6 of Section 99.05.106, Division 5, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 622. Table 99.05.303.2.2 following Subsection 99.05.303.2 of Section 99.05.303, Division 5, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

**TABLE 99.05.303.2.2
WATER USE BASELINE⁴**

FIXTURE TYPE	BASELINE FLOW RATE	DURATION	DAILY USES	OCCUPANTS ²
Showerheads	1.8 gpm @ 80 psi	5 min.	1	X ^{2a}
Lavatory Faucets, Non-Residential	0.5 gpm @ 60 psi	.25 min.	3	X
Kitchen Faucets	1.8 gpm @ 60 psi	4 min.	1	X ^{2b}
Replacement Aerators	2.2 gpm			
Metering Faucets	0.20 gallons/cycle	.25 min.	3	X

Water Closets	1.28 gallons/flush	1 flush	1 male ¹ 3 female	X
Urinals	0.125 gallons/flush	1 flush	2 male	X

Fixture "Water Use" = Flow rate X Duration X Occupants X Daily uses

1. The daily use number shall be increased to three if urinals are not installed in the room.
2. Refer to Table 4-1, Chapter 4 of the California Plumbing Code, for occupant load factors.
 - a. Shower use by occupants depends on the type of use of a building or portion of a building. For example, the total occupant load for a health club, but only a fraction of the occupants in an office building as determined by the anticipated number of users.
 - b. Kitchen faucet use is determined by the occupant load of the area served by the fixture.
3. Floor-mounted urinals @ 0.5 GPF or wall-mounted urinals @ 0.125 GPF.
4. Use Worksheet WS-1 of the CALGreen Code to calculate baseline water use.

Sec. 623. Table 5.504.4.1 following Section 99.05.504 of Division 5, Article 9, Chapter IX of the Los Angeles Municipal Code is renumbered as Table 99.05.504.4.1 and amended to read as follows:

TABLE 99.05.504.4.1
ADHESIVE VOC LIMIT ^{1, 2}
Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	VOC LIMIT
Indoor carpet adhesives	50
Carpet pad adhesives	50
Outdoor carpet adhesives	150
Wood flooring adhesives	100
Rubber floor adhesives	60
Subfloor adhesives	50
Ceramic tile adhesives	65
VCT and asphalt tile adhesives	50
Drywall and panel adhesives	50
Cove base adhesives	50
Multipurpose construction adhesives	70
Structural glazing adhesives	100
Single-ply roof membrane adhesives	250
Other adhesives not specifically listed	250
SPECIALTY APPLICATIONS	
PVC welding	510
CPVC welding	490
ABS welding	325
Plastic cement welding	100

Adhesive primer for plastic	550
Contact adhesive	80
Special purpose contact adhesive	250
Structural wood member adhesive	140
Top and trim adhesive	540
SUBSTRATE SPECIFIC APPLICATIONS	
Metal to metal	30
Plastic foams	50
Porous material (except wood)	50
Wood	30
Fiberglass	80

1. If an adhesive is used to bond dissimilar substrates together, the adhesive with the highest VOC content shall be allowed.
2. For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District (SCAQMD) Rule 1168, <http://www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF>.

Sec. 624. Table 5.504.4.2 following Table 5.504.4.1 of Section 99.05.504, Division 5, Article 9, Chapter IX of the Los Angeles Municipal Code is renumbered as Table 99.05.504.4.2 and amended to read as follows:

TABLE 99.05.504.4.2
SEALANT VOC LIMIT
Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	VOC LIMIT
Architectural	50
Marine deck	760
Non-membrane roof	300
Roadway	250
Single-ply roof membrane	450
Other	420
SEALANT PRIMERS	
Architectural	
Nonporous	250
Porous	775
Modified bituminous	500
Marine deck	760
Other	750

Note: For additional information regarding methods to measure the VOC content specified in these tables, see South Coast Air Quality Management District Rule 1168.

Sec. 625. Table 5.504.4.3 following Table 5.504.4.2 of Section 99.05.504, Division 5, Article 9, Chapter IX of the Los Angeles Municipal Code is renumbered as Table 99.05.504.4.3 and amended to read as follows:

TABLE 99.05.504.4.3
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS ^{2, 3}
Grams of VOC per Liter of Coating Less Water and Less Exempt Compounds

COATING CATEGORY	VOC LIMIT
Flat coatings	50
Nonflat coatings	50
Nonflat-high gloss coatings	50
SPECIALTY COATINGS	
Aluminum roof coatings	100
Basement specialty coatings	400
Bituminous roof coatings	50
Bituminous roof primers	350
Bond breakers	350
Concrete curing compounds	100
Concrete curing compounds, Roadways & Bridges	350
Concrete/masonry sealers	100
Driveway sealers	50
Dry fog coatings	50
Faux finishing coatings	
Clear Top Coat	100
Decorative Coatings	350
Glazes	350
Japan	350
Trowel Applied Coatings	50
Fire resistive coatings	150
Floor coatings	50
Form-release compounds	100
Graphic arts coatings (sign paints)	200
High temperature coatings	420
Industrial maintenance coatings	100
Low solids coatings ¹	120
Magnesite cement coatings	450
Mastic texture coatings	100

Metallic pigmented coatings	150
Multicolor coatings	250
Pretreatment wash primers	420
Primers, sealers, and undercoaters	100
Reactive penetrating sealers	350
Recycled coatings	250
Roof coatings	50
Roof coatings, aluminum	100
Rust preventative coatings	100
Shellacs	
Clear	730
Opaque	550
Specialty primers, sealers and undercoaters	100
Stains	100
Stains, Interior	250
Stone consolidants	450
Swimming pool coatings	340
Traffic marking coatings	100
Tub and tile refinish coatings	420
Waterproofing membranes	100
Wood coatings	275
Wood preservatives	350
Zinc-rich primers	100

1. Grams of VOC per liter of coating, including water and including exempt compounds.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the table.
3. Values in this table are derived from those specified by the South Coast Air Management District (SCAQMD) Rule 1113. More information is available from the SCAQMD.

Sec. 626. Worksheet (WS-1) following Section 99.08.100 of Division 8, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

WORKSHEET (WS-1)
BASELINE WATER USE

BASELINE WATER USE CALCULATION TABLE									
FIXTURE TYPE	FLOW RATE		DURATION		DAILY USES		OCCUPANTS		GALLONS PER DAY
Showerheads, residential	1.8 gpm @ 80 psi	x	8 min.	x	1	x	Note 1a	=	

Showerheads, nonresidential	1.8 gpm @ 80 psi	x	5 min.	x	1	x		=	
Lavatory faucets, residential	1.2 gpm @ 60 psi	x	0.25 min.	x	3	x		=	
Lavatory faucets nonresidential/public uses	0.5 gpm @ 60 psi	x	0.25 min	x	3	x		=	
Kitchen faucets	1.8 gpm @ 60 psi	x	4 min.	x	1	x	Note 1b	=	
Replacement aerators	2.2 gpm	x		x		x		=	
Wash fountains	1.8 gpm/20 [rim space (in.) @ 60 psi]	x		x		x		=	
Metering faucets	0.20 gallons/cycle	x	0.25 min.	x	3	x		=	
Metering faucets for wash fountains	0.20 gal/cycle/20 [rim space (in.) @ 60 psi]	x	0.25 min.	x		x		=	
Water Closets	1.28 gallons/flush	x	1 flush	x	1 male ² 3 females	x		=	
Urinals	0.125 gallons/flush	x	1 flush	x	2 males	x		=	
Total daily baseline water use (BWU)								=	

1. Refer to Table 4-1, Chapter 4 of the California Plumbing Code, for occupant load factors.
 - a. Shower use by occupants depends on the type of use of a building or portion of a building, e.g. total occupant load for a health club, but only a fraction of the occupants in an office building as determined by the anticipated number of users.
 - b. Kitchen faucet use is determined by occupant load of the area served by the fixture.
2. The daily use number shall be increased to three if urinals are not installed in the room.
3. Floor-mounted urinals @ 0.5 GPF or wall-mounted urinals @ 0.125 GPF.

Sec. 627. Worksheet (WS-2) following Worksheet (WS-1) of Section 99.08.100, Division 8, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

WORKSHEET (WS-2) BASELINE WATER USE

20-PERCENT REDUCTION WATER USE CALCULATION TABLE									
FIXTURE TYPE	FLOW RATE		DURATION		DAILY USES		OCCUPANTS		GALLONS PER DAY
Showerheads, residential		x	8 min.	x	1	x	Note 1a	=	
Showerheads, nonresidential		x	5 min.	x	1				

Lavatory faucets, residential		x	0.25 min.	x	3	x		=	
Lavatory faucets nonresidential/public uses		x	0.25 min	x	3	x		=	
Kitchen faucets		x	4 min.	x	1	x	Note 1b	=	
Replacement aerators		x		x		x		=	
Wash fountains		x		x		x		=	
Metering faucets		x	0.25 min.	x	3			=	
Metering faucets for wash fountains		x	0.25 min.	x		x		=	
Water Closets		x	1 flush	x	1 male ² 3 females	x		=	
Urinals		x	1 flush	x	2 males	x		=	
Urinals Nonwater supplied	0.0 gal/ flush	x	1 flush	x	2 males	x		=	0
Proposed water use (BWU)								=	
20% Reduction _____ (BWU from WS-1) x 0.80 = _____ Allowable water use									
____ % Reduction _____ (BWU from WS-1) x 0.____ = _____ Allowable water use									

- For occupancies, refer to Table 4-1, Chapter 4, California Plumbing Code, for occupant load factors.
 - Shower use by occupants depends on the type of use of a building or portion of a building, e.g., total occupant load for a health club, but only a fraction of the occupants in an office building as determined by the anticipated number of users.
 - Kitchen faucet use is determined by the occupant load of the area served by the fixture.
- Includes single and dual flush water closets with an effective flush of 1.28 gallons or less.
 - Single flush toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is the average flush volume when tested in accordance with ASME A112.19.2.
 - Dual flush toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is defined as the composite, average flush volume of two reduced flushes and one full flush. Flush volumes will be tested in accordance with ASME A112.19.2 and ASME A112.19.14.
- The daily use number shall be increased to three if urinals are not installed in the room.
- Where complying faucets are unavailable, aerators rated at 35 gpm or other means may be used to achieve reduction.

Sec. 628. The first paragraph of Section 99.11.101, Division 11, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Appendix A4 of the California Green Building Standards Code (CALGreen) is adopted by reference with the following exceptions: CALGreen Section A4.105.2, A4.106.5, A4.106.7, A4.405.4, A4.407.1, , A4.407.7, A4.602, and Table A4.106.5.1(1), A4.106.5.1(2), A4.106.5.1(3) and A4.106.5.1(4) are not adopted; and in lieu, LAMC Sections 99.11.102 and 99.11.602, and Subsections A4.105.2, A4.106.7, A4.405.2, A4.405.4, A4.407.1, A4.407.7, A4.602, and Tables A4.106.5.1(1), A4.106.5.1(2), A4.106.5.1(3), and A4.106.5.1(4) are added or amended as provided in this article.

Sec. 629. Table A4.602 following Section 99.11.602 of Division 11, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows.

TABLE A4.602

RESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST

{[Click here for a printable PDF version of this table](#)}

FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives ¹		Enforcing Agency	Installer or Designer	Third Party
		Tier 1	Tier 2	All	All	All
PLANNING AND DESIGN						
Site Selection						
A4.103.1 A site which complies with at least one of the following characteristics is selected: 1. An infill site is selected. 2. A greyfield site is selected. 3. An EPA-recognized Brownfield site is selected.						
A4.103.2 Facilitate community connectivity by one of the following methods: 1. Locate project within a 1/4-mile true walking distance of at least 4 basic services; 2. Locate project within 1/2-mile true walking distance of at least 7 basic services; 3. Other methods increasing access to additional resources.						
Site Preservation						
A4.104.1 An individual with oversight responsibility for the project has participated in an educational program promoting environmentally friendly design or development and has provided training or instruction to appropriate entities.						
Deconstruction and Reuse of Existing Materials						
A4.105.2 Existing buildings are disassembled for reuse or recycling of building materials. The proposed structure utilizes at least one of the following materials which can be easily reused: 1. Light fixtures 2. Plumbing fixtures 3. Doors and trim 4. Masonry (reused for flatwork) 5. Electrical devices 6. Appliances 7. Foundations or portions of foundations						
Site Development						
4.106.2 A plan is developed and implemented to manage storm water drainage during construction.	X					
4.106.3 Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.	X					

4.106.4.1 Provide capability for electric vehicle charging in one- and two-family dwellings and in townhouses with attached private garages in accordance with Section 4.106.4.1.	X					
4.106.4.2 Provide capability for electric vehicle charging for multi-family dwellings and hotels/motels in accordance with Section 4.106.4.2.2 as applicable.	X					
4.106.4.3 Provide capability for electric vehicle charging for existing parking lots or new parking lots for existing residential buildings in accordance with Section 4.106.4.3 as applicable.	X					
4.106.4.4 Provide bicycle parking facilities as noted below or meet a local ordinance, whichever is more stringent. Number of bicycle parking spaces may be reduced, as approved by the enforcing agency, due to building site characteristics, including but not limited to, isolation from other development. <ol style="list-style-type: none"> 1. Provide short-term bicycle parking, per Section 4.106.4.4.1. 2. Provide long-term bicycle parking for multifamily buildings per Section 4.106.4.4.2. 3. Provide long-term bicycle parking for hotel and motel buildings, per Section 4.106.4.4.3. 	X					
A4.106.1 Reserved.						
A4.106.2.1 Soil analysis is performed by a licensed design professional and the findings utilized in the structural design of the building.						
A4.106.2.2 Soil disturbance and erosion are minimized by at least one of the following: <ol style="list-style-type: none"> 1. Natural drainage patterns are evaluated and erosion controls are implemented to minimize erosion during construction and after occupancy. 2. Site access is accomplished by minimizing the amount of cut and fill needed to install access roads and driveways. 3. Underground construction activities are coordinated to utilize the same trench, minimize the amount of time the disturbed soil is exposed and the soil is replaced using accepted compaction methods. 						
A4.106.2.3 Topsoil shall be protected or saved for reuse as specified in this section.						

Tier 1. Displaced topsoil shall be stockpiled for reuse in a designated area and covered or protected from erosion. Tier 2. The construction area shall be identified and delineated by fencing or flagging to limit construction activity to the construction area.		x ²	x ² x ²			
A4.106.3 Post-construction landscape designs accomplish one or more of the following: 1. Areas disrupted during construction are restored to be consistent with native vegetation species and patterns. 2. Utilize at least 75% native California or drought tolerant plant and tree species appropriate for the climate zone region.						
A4.106.4 Permeable paving is utilized for the parking, walking or patio surfaces in compliance with the following: Tier 1. Not less than 20% of the total parking, walking or patio surfaces shall be permeable. Tier 2. Not less than 30% of the total parking, walking or patio surfaces shall be permeable.		x ²	x ²			
A4.106.5 Roofing materials shall have a minimum 3-year aged solar reflectance and thermal emittance or a minimum Solar Reflectance Index (SRI) equal to or greater than the values specified in LAMC Tables A4.106.5.1(1) and A4.106.5.1(2) for low-rise residential buildings and LAMC Tables A4.106.5.1(3) and A4.106.5.1(4) for high-rise residential buildings. Low-Rise Residential Tier 1 roof covering shall meet or exceed the values contained in LAMC Table A4.106.5.1(1) . Tier 2 roof covering shall meet or exceed the values contained in LAMC Table A4.106.5.1(2) . High-Rise Residential, Hotels and Motels Tier 1 roof covering shall meet or exceed the values contained in LAMC Table A4.106.5.1(3) . Tier 2 roof covering shall meet or exceed the values contained in LAMC Table A4.106.5.1(4) .		x ² x ²	x ² x ²			
A4.106.6 Install a vegetated roof for at least 50% of the roof area. Vegetated roofs shall comply with requirements for roof gardens and landscaped roofs in the <i>California Building Code</i> , Chapters 15 and 16.						
A4.106.7 Reduce nonroof heat islands for 50% of sidewalks, patios, driveways or other paved areas by using one or more of the methods listed.						
A4.106.8.1 Tier 1 and Tier 2 for one- and two-family dwellings and townhouses with attached private garages. Install a dedicated 208/240-volt branch circuit, including an overcurrent protective device rated at 40 amperes minimum per dwelling unit.		x ²	x ²			

<p>A4.106.8.2.1 Provide capability for future electric vehicle charging in new multifamily dwellings, hotels and motels, as specified.</p> <p>Tier 1. New multifamily dwellings and hotels and motels.</p> <p>1. EV Ready Parking with Receptacles.</p> <p>a. hotels and motels. Sixty (60) percent of the total number of parking spaces shall be equipped with low power Level 2 EV charging receptacles.</p> <p>b. Raceway Requirements. To allow for future upgrades to the electrical conductors serving low power Level 2 EV charging receptacles, the listed raceway serving such receptacles shall be sized to allow the installation of a dedicated 208/240-volt 40-ampere branch circuit. Where no raceway is used, the conductors shall be sized to accommodate a 208/240-volt 40-ampere receptacle. Exception: Hotels and motels may substitute Level 2 EV chargers for some or all of the required EV charging receptacles.</p> <p>2. EV Ready Parking Spaces with EV Chargers.</p> <p>a. Hotels and motels. Forty (40) percent of the total number of parking spaces shall be equipped with low power Level 2 EV charging receptacles.</p> <p>b. Multifamily Parking Facilities with Unassigned or Common Use Parking. In addition to the low power Level 2 EV charging receptacle requirements of Section A4.106.8 (Tier 1, subsection 1), forty (40) percent of the total number of parking spaces shall be equipped with level 2 EV chargers and shall be made available for use by</p>			x ²			
---	--	--	----------------	--	--	--

all residents or guests.			x^2			
A4.106.10 [HR] Outdoor lighting systems shall be designed and installed to comply with: <ol style="list-style-type: none"> 1. The minimum requirements in the <i>California Energy Code</i> for Lighting Zones 1-4; and 2. Backlight, Uplight and Glare (BUG) ratings as defined in IES TM-15-11; and 3. Allowable BUG ratings not exceeding those shown in CALGreen Table A4.106.10; or Comply with a lawfully enacted local ordinance, whichever is more stringent.						
Innovative Concepts and Local Environmental Conditions						
A4.108.1 Items in this section are necessary to address innovative concepts or local environmental conditions. Item 1 Item 2 Item 3						
ENERGY EFFICIENCY						
General						
4.201.1 Building meets or exceeds the requirements of the <i>California Building Energy Efficiency Standards</i> . ³	x	x^2	x^2			
Performance Approach for Newly Constructed Buildings						
A4.203.1.1 Hourly Source Energy Rating (EDR1). EDR1 ratings for building design shall be computed by Energy Compliant software and shall reduce the EDR1 required by the software by the		x^2	x^2			

compliance margins specified in Table A4.203.1.1.						
A4.203.1.2 Prerequisite options. In addition, a minimum of two of the efficiency measures specified in Sections A4.203.1.2.1 through A4.203.1.2.8 will be required to be met. <ul style="list-style-type: none"> • Roof deck insulation or ducts in conditioned space. • High-performance walls. • Compact hot water distribution system. • Drain water heat recovery. • High performance vertical fenestration. • Heat pump water heater demand management. • Battery storage system controls. • Heat pump space and water heating. 		x^2	x^2			
A4.203.1.3 Consultation with local electric service provider. Local jurisdictions considering adoption of reduced EDR targets based on using solar photovoltaic (PV) systems larger than required by the <i>California Energy Code</i> shall consult with the local electric service provider to ensure that that PV system sizing required to comply with the EDR targets will be acceptable to the local electric service provider.		x^2				
Performance Approach for Additions						
A4.204.1.1 Tier 1. If only one mechanical system is added or modified, the Energy Budget is no greater than 95% of the Title 24, Part 6, Energy Budget for the Standard Design Building. If two or more mechanical systems are added or modified, the Energy Budget is no greater than 90% of the Title 24, Part 6, Energy Budget for the Standard Design Building.		x^2				
A4.204.1.2 Tier 2. If only one mechanical system is added or modified, the Energy Budget is no greater than 90% of the Title 24, Part 6, Energy Budget for the Standard Design Building. If two or more mechanical systems are added or modified, the Energy Budget is no greater than 85% of the Title 24, Part 6, Energy Budget for the Standard Design Building.			x^2			
Renewable Energy						
4.211.4 Buildings shall comply with the following: <ol style="list-style-type: none"> 1. All one- and two-family dwellings shall comply with Section 110.10(b)1A, 110.10(b)2, 110.10(b)3, 110.10(b)4, 110.10(c), 110.10(d) and 110.10(e) of the <i>California Energy Code</i> (Title 24, Part 6). 2. All buildings, other than one- and two-family dwellings, shall comply with Section 110.10(b) through 	x					

110.10(d) of the <i>California Energy Code</i> (Title 24, Part 6).						
WATER EFFICIENCY AND CONSERVATION						
Indoor Water Use						
4.303.1 Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) installed in residential buildings shall comply with the prescriptive requirements of CALGreen Sections 4.303.1.1 through 4.303.1.4.5.	X					
4.303.2 Submeters for multifamily building and dwelling units in mixed-use residential/commercial buildings. Submeters shall be installed to measure water usage of individual rental dwelling units in accordance with the California Plumbing Code.	X					
4.303.3 Plumbing fixtures and fittings required in Section 4.303.1 shall be installed in accordance with the California Plumbing Code, and shall meet the applicable referenced standards.	X					
4.303.4 A 20% reduction in the overall use of potable water within the building shall be provided, as specified.	X					
A4.303.1 Kitchen faucets. The maximum flow rate of kitchen faucets shall not exceed 1.5 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.5 gallons per minute at 60 psi. Note: Where complying faucets are available, aerators or other means may be used to achieve reduction.						
A4.303.2 Alternate water source for nonpotable applications. Alternate nonpotable water sources are used for indoor potable water reduction. Alternate nonpotable water sources shall be installed in accordance with the <i>California Plumbing Code</i> .						
A4.303.3 Install at least one qualified ENERGY STAR dishwasher or clothes washer.						
A4.303.4 Nonwater urinals or waterless toilets are installed.						
A4.303.5 Hot water recirculation systems. One- and two-family dwellings shall be equipped with a demand hot water recirculation system, as defined in Chapter 2 of this Code. The demand hot water recirculation system shall be installed in accordance with the <i>California Plumbing Code</i> , <i>California Energy Code</i> ,						

and the manufacturer's installation instructions.						
Outdoor Water Use						
4.304.1 After December 1, 2015, new residential developments with an aggregate landscape area equal to or greater than 500 square feet shall comply with one of the following options: 1. A local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent; or 2. Projects with aggregate landscape areas less than 2,500 square feet may comply with the MWELO's Appendix D Prescriptive Compliance Option.	X					
4.304.3 A landscape water meter provided by the City of Los Angeles Department of Water and Power shall be installed for landscape irrigation.	X					
4.304.4 Locks shall be installed on all publicly accessible exterior faucets and hose bibs.	X					
4.304.5 For one- and two-family dwellings, any permanently installed outdoor in-ground swimming pool or spa shall be equipped with a cover having a manual or power-operated reel system.	X					
A4.304.1 Rainwater catchment systems. An approved rainwater catchment system is designed and installed to use rainwater generated by at least 65% of the available roof area. Rainwater catchment systems shall be designed and installed in accordance with the <i>California Plumbing Code</i> .						
A4.304.2 Potable water elimination. When landscaping is provided and as allowed by local ordinance, a water efficient landscape irrigation design that eliminates the use of potable water beyond the initial requirements for plant installation and establishment should be provided. Methods used to accomplish the requirements of this section must be designed to the requirements of the <i>California Building Standards Code</i> and shall include, but not be limited to, the following: 1. Use of captured rainwater. 2. Use of recycled water. 3. Water treated for irrigation purposes and conveyed by a water district or public entity. 4. Use of graywater.						
A4.304.3 For new water service connections, landscaped irrigated areas less than 5,000 square feet shall be provided with separate sub-meters or						

metering devices for outdoor potable water use.						
WATER REUSE SYSTEMS						
4.305.1 Waste piping shall be arranged to permit the discharge from the clothes washer, bathtub, showers, and bathroom/restroom wash basins to be used for a future graywater irrigation system.	X					
4.305.2 When City-recycled water is available for use within 200 feet of the property line, 100% of water for water closets, urinals, floor drains, and process cooling and heating in that building shall come from City-recycled water.	X					
4.305.3 Cooling towers shall comply with LAMC Section 99.04.305.3.1 or 99.04.305.3.2 .	X					
4.305.4 Where groundwater is being extracted and discharged, a system for onsite reuse of the groundwater shall be developed and constructed.	X					
A4.305.1 Graywater. Alternative plumbing piping installed to permit the discharge from the clothes washer or other fixtures and used for irrigation in compliance with the Los Angeles Plumbing Code.						
A4.305.2 Recycled water piping is installed.						
A4.305.3 Recycled water is used for landscape irrigation.						
Innovative Concepts and Local Environmental Conditions						
A4.306.1 Items in this section are necessary to address innovative concepts or local environmental conditions. Item 1 Item 2 Item 3						
MATERIAL CONSERVATION AND RESOURCE EFFICIENCY						
Foundation Systems						
A4.403.1 A Frost-protected Shallow Foundation (FPSF) is designed and constructed.						
A4.403.2 Cement use in foundation mix design is reduced. Tier 1. Not less than a 20% reduction in cement use. Tier 2. Not less than a 25% reduction in cement use.		x ²	x ²			
Efficient Framing Techniques						
A4.404.1 Beams and headers and trimmers are the minimum size to adequately support the load.						
A4.404.2 Building dimensions and layouts are designed to minimize waste.						
A4.404.3 Use premanufactured building systems to eliminate solid sawn lumber whenever possible.						

A4.404.4 Material lists are included in the plans which specify material quantity and provide direction for on-site cuts.						
Material Sources						
A4.405.1 One or more of the following building materials, that do not require additional resources for finishing are used: 1. Exterior trim not requiring paint or stain. 2. Windows not requiring paint or stain. 3. Siding or exterior wall coverings which do not require paint or stain.						
A4.405.2 Floors that do not require additional coverings are used including but not limited to stained, natural or stamped concrete floors.						
A4.405.3 Post-consumer or pre-consumer recycled content value (RCV) materials are used on the project. Tier 1. Not less than a 10% recycled content value. Tier 2. Not less than a 15% recycled content value.		x ²	x ²			
A4.405.4 Renewable source building products are used.						
Enhanced Durability and Reduced Maintenance						
4.406.1 Annular spaces around pipes, electric cables, conduits or other openings in plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or similar method acceptable to the enforcing agency.	X					
Water Resistance and Moisture Management						
4.407.3 Provide flashing details on the building plans and comply with accepted industry standards or manufacturer's instructions.	X					
4.407.4 Protect building materials delivered to the construction site from rain and other sources of moisture.	X					
A4.407.1 Install foundation and landscape drains.						
A4.407.2 Install gutter and downspout systems to route water at least 5 feet away from the foundation or connect to landscape drains which discharge to a dry well, sump, bioswale, rainwater capture system or other approved on-site location.						
A4.407.6 Exterior doors to the dwelling are protected to prevent water intrusion.						
A4.407.7 A permanent overhang or awning at least 2 feet in depth is provided.						
Construction Waste Reduction, Disposal and Recycling						
4.408.1 Comply with Section 66.32 et seq. of the Los Angeles Municipal Code.	X					
A4.408.1 Construction waste generated at the site is diverted to recycle or salvage in compliance with one of the following:						

<p>1. Tier 1 at least a 65% reduction. Any mixed recyclables that are sent to mixed-waste recycling facilities shall include a qualified third party verified facility average diversion rate. Verification of diversion rates shall meet minimum certification eligibility guidelines, acceptable to the local enforcing agency.</p> <p>2. Tier 2 at least a 75% reduction with a third-party verification.</p> <p>Exception: Equivalent waste reduction methods are developed by working with local agencies.</p>		x ²				
Building Maintenance and Operation						
4.410.1 An operation and maintenance manual shall be provided to the building occupant or owner.	X					
4.410.2 Where 5 or more multi-family dwelling units are constructed on a building site, provide readily accessible areas that serve all buildings on the site and is identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive. See exception for rural jurisdictions.	X					
Innovative Concepts and Local Environmental Conditions						
A4.411.1 Items in this section are necessary to address innovative concepts or local environmental conditions.						
Item 1						
Item 2						
Item 3						
ENVIRONMENTAL QUALITY						
Fireplaces						
4.503.1 Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances.	X					
Pollutant Control						
4.504.1 Duct openings and other related air distribution component openings shall be covered during construction.	X					
4.504.2.1 Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits	X					
4.504.2.2 Paints, stains and other coatings shall be compliant with VOC limits.	X					
4.504.2.3 Aerosol paints and coatings shall be compliant with product weighted MIR limits for VOC and other toxic compounds.	X					

4.504.2.4 Documentation shall be provided to verify that compliant VOC limit finish materials have been used.	X					
4.504.3 Carpet and carpet systems shall be compliant with VOC limits.	X					
4.504.4 80% of floor area receiving resilient flooring shall comply with specified VOC criteria.						
4.504.5 Particleboard, medium density fiberboard (MDF) and hardwood plywood used in interior or exterior finish systems shall comply with low formaldehyde emission standards.	X					
A4.504.1 Use composite wood products made with either California Air Resources Board approved no-added formaldehyde (NAF) resins or ultra-low emitting formaldehyde (ULEF) resins.						
A4.504.2 Install VOC compliant resilient flooring systems. Tier 1. At least 90% of the resilient flooring installed shall comply. Tier 2. At least 100% of the resilient flooring installed shall comply.		x ²	x ²			
A4.504.3 Thermal insulation installed in the building shall meet the following requirements: Tier 1. Install thermal insulation in compliance with VOC limits. Tier 2. Install insulation which contains No-Added Formaldehyde (NAF) and is in compliance with Tier 1.		x ²	x ²			
Interior Moisture Control						
4.505.2 Vapor retarder and capillary break is installed at slab-on-grade foundations.	X					
4.505.3 Moisture content of building materials used in wall and floor framing is checked before enclosure.	X					
Indoor Air Quality and Exhaust						
4.506.1 Return air filters with a value greater than MERV 6 shall be installed on HVAC systems. Pressure drop across the filter shall not exceed 0.1 inches water column.						
A4.506.2 [HR] Provide filters on return air openings rated MERV 6 or higher during construction when it is necessary to use HVAC equipment.						
A4.506.3 Direct-vent appliances shall be used when equipment is located in conditioned space; or the equipment must be installed in an isolated mechanical room.						
Environmental Comfort						
4.507.2. Duct systems are sized, designed, and equipment is selected using the following methods: 1. Establish heat loss and heat gain values according to ANSI/ACCA 2 Manual J-2011 or equivalent. 2. Size duct systems according to ANSI/ACCA 1 Manual D-2014 or equivalent. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S-2014 or equivalent.	X					

Outdoor Air Quality Reserved						
Innovative Concepts and Local Environmental Conditions						
A4.509.1 Items in this section are necessary to address innovative concepts or local environmental conditions. Item 1 Item 2 Item 3						
Installer and Special Inspector Qualifications						
Qualifications						
702.1 HVAC system installers are trained and certified in the proper installation of HVAC systems.	X					
702.2 Special inspectors employed by the owner or owner's agent must be qualified and able to demonstrate competence in the discipline they are inspecting.	X					
Verifications						
703.1 Verification of compliance with this code may include construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance.	X					

1. Green building measures listed in this table may be mandatory if adopted by a city, county, or city and county as specified in CALGreen Section 101.7.
2. Required prerequisite for this Tier.
3. These measures are currently required elsewhere in statute or in regulation.

Sec. 630. The first paragraph of Section 99.12.101, Division 12, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Appendix A5 of the California Green Building Standards Code (CALGreen) is adopted by reference with the following exceptions: CALGreen Sections A5.105.1.1, A5.105.1.2, A5.106.4.3, A5.106.6.1, A5.106.11.1, A5.303.2.3.1, A5.303.2.3.2, A5.303.2.3.3, A5.303.2.3.4, A5.406.1, and Tables A5.106.4.3 A5.106.11.2.2, A5.106.11.2.3, A5.406.1, A5.410.3, A5.601, and A5.602 are not adopted; and in lieu, Los Angeles Municipal Code Section 99.12.508 and Subsections A5.105.1.1, A5.105.1.2, A5.106.4.3, A5.106.6, A5.106.6.1, A5.106.11.1, A5.303.2.3.1, A5.303.2.3.2, A5.303.2.3.3, A5.303.2.3.4, A5.406.1, A5.410.3, and Tables A5.106.4.3, A5.106.11.2.2, A5.106.11.2.3, A5.601, and A5.602 are added or amended as provided in this article.

Sec. 631. Table A5.601 following Subsection A5.410.3 of Section 99.12.101, Division 12, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

TABLE A5.601 NONRESIDENTIAL BUILDINGS:

Green Building Standards Code Proposed Performance Approach

Note: This table is intended only as an aid in illustrating the nonresidential tier structure

(Refer to Checklists A5.602, A5.602.1, and A5.602.2 for CALGreen verification guidelines for Mandatory Checklist, Tier 1 Checklist, and Tier 2 Checklist.)

[{Click here for a printable PDF version of this table}](#)

CATEGORY	ENVIRONMENTAL PERFORMANCE GOAL	TIER 1	TIER 2
All	Minimum Mandatory (See Mandatory Checklist)	Meet all of the provisions of Chapter 5 (See Tier 1 Checklist)	Meet all of the provisions of Chapter 5 (See Tier 2 Checklist)
DIVISION 5.1 Planning and Design	Reuse of existing building	See Section A5.105.1 and Section A5.105.2 requirements	See Section A5.105.1 and Section A5.105.2 requirements
	Designated Parking for Fuel Efficient Vehicles-(Tier 1 and Tier 2 only)	Approx. 35% of total spaces	Approx. 50% of total spaces
	Electric Vehicle Charging	Approx. 30% of total spaces	Approx. 45% of total spaces
	Cool Roof to Reduce Heat Island Effect	Meet Table A5.106.11.2.2	Meet Table A5.106.11.2.3
		1 additional Elective from Division A5.1	3 additional Electives from Division A5.1
DIVISION 5.2 Energy Efficiency	Energy Performance ²	Outdoor lighting power 90% of Part 6 allowance	Outdoor lighting power 90% of Part 6 allowance
		If applicable, solar water-heating system with minimum solar savings fraction of 0.15	If applicable, solar water-heating system with minimum solar savings fraction of 0.15
		Warehouse door seals	Warehouse door seals
		Comply with day lighting requirements	Comply with day lighting requirements
		Exhaust heat recovery	Exhaust heat recovery
		Energy Budget 95% or 90% of Part 6 calculated value of allowance	Energy Budget 90% or 85% of Part 6 calculated value of allowance
DIVISION 5.3 Water Efficiency and Conservation	Indoor Water Use	12% Savings	20% Savings
		1 additional Elective from Division A5.3	3 additional Electives from Division A5.3
DIVISION 5.4 Material Conservation and Resource Efficiency³	Cradle-to-Grave Whole Building Life Cycle Assessment	See Section A5.409.1, Section A5.409.2 and Section A5.409.2.3 requirements	See Section A5.409.1, Section A5.409.2 and Section A5.409.2.3 requirements

	Product GWP compliance – prescriptive path	See Section A5.409.1, Section A5.409.2 and Section A5.409.2.3 requirements	See Section A5.409.1, Section A5.409.2 and Section A5.409.2.3 requirements
		1 additional Elective from Division A5.4	3 additional Electives from Division A5.4
Division 5.5 Environmental Quality	Low-VOC Resilient Flooring	90% of flooring meets VOC limits	100% of flooring meets VOC limits ¹
	Low-VOC Thermal Insulation	Comply with VOC limits	Install no-added formaldehyde insulation and comply with VOC limits
		1 additional Elective from Division A5.5	3 additional Electives from Division A5.5
Additional Measures		1 Additional Elective from any division	3 Additional Electives from any division
Approximate Total Measures		15	25

1. Exception: Allowance may be permitted in Tier 2 for up to 5 percent specialty purpose flooring.
2. Solar water-heating system requirement for newly constructed restaurants as per A5.203.1.1.2.
Exceptions:
 - a. Buildings with a natural gas service water heater with a minimum of 95 percent thermal efficiency.
 - b. Buildings where greater than 75 percent of the total roof area has annual solar access that is less than 70 percent. Solar access is the ratio of solar insolation including shade to the solar insolation without shade. Shading from obstructions located on the roof or any other part of the building shall not be included in the determination of annual solar access.
3. Life cycle assessment compliant with Section A5.409.4 in this code may be substituted for prescriptive measures from Division A5.4.

Sec. 632. Table A5.602 following Section 99.12.508 of Division 12, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

**TABLE A5.602
CALGREEN VERIFICATION GUIDELINES MANDATORY MEASURES CHECKLIST**

{[Click here for a printable PDF version of this table](#)}

Application: This checklist shall be used for nonresidential projects that meet one of the following: new construction, building additions of 1,000 square feet or greater, or building alterations with a permit valuation of \$200,000 or more pursuant to Section 301.3 AND do not trigger a Tier 1 or Tier 2 requirement:

Y = Yes (section has been selected and/or included)

N/A = Not Applicable (code section does not apply to the project – mainly used for additions and alterations)

O = Other (provide explanation)

[N] = New construction pursuant to Section 301.3

[A] = Additions and/or Alterations pursuant to Section 301.3

CHAPTER 5 DIVISIONS		SECTION TITLE	CODE SECTION	Y	N/A	O	PLAN SHEET, SPEC, OR ATTACH REFERENCE
DIVISION 5.1 Planning and Design DIVISION 5.1 Planning and Design	Mandatory	Deconstruction and reuse of existing structures, Scope with Exception	5.105.1				
	Mandatory	Reuse of existing building & Verification of compliance with note	5.105.2 and 5.105.2.1				
	Mandatory	Storm water pollution prevention for projects that disturb less than 1 acre of land	5.106.1 through 5.106.2				
	Mandatory	Short-term bicycle parking (with exception)	5.106.4.1.1				
	Mandatory	Long-term bicycle parking	5.106.4.1.2 through 5.106.4.1.5				
	Mandatory	Electric vehicle charging [N] with Section 5.106.3.1, 5.106.5.3.2 and associated Table 5.106.5.3.1 OR Independently Power Allocation Method: Section 5.106. 5.3.6 and associated Table 5.106.5.3.6	5.106.5.3.1, 5.106.5.3.2, Table 5.106.5.3.1, 5.106.5.3.2.1, 5.106.5.3.2.2, 5.106.5.3.2.3, 5.106.5.3.2.4, 5.106.5.3.3, 5.106.5.3.4 and 5.106.5.3.5 OR 5.106.5.3.3, 5.106.5.3.4, 5.106.5.3.5, 5.106.5.3.6, Table 5.106.5.3.6, 5.106.5.3.6.1, 5.106.5.3.6.2 and 5.106.5.3.6.3				
	Mandatory	Additions or Alterations to existing buildings or parking facilities [A] with Exceptions	5.106.5.4				
	Mandatory	Existing buildings or parking areas without previously installed EV capable infrastructure [A]	5.106.5.4.1				
	Mandatory	Existing buildings or parking areas without previously installed EV capable infrastructure [A]	5.106.5.4.2				
	Mandatory	Electric vehicle (EV) charging: medium-duty and heavy-duty [N]	5.106.5.5				

	Mandatory	Electric vehicle charging readiness requirements for warehouses, grocery stores, office buildings, and manufacturing facilities and retail stores with planned off-street loading spaces [N]	5.106.5.5.1				
	Mandatory	Table 5.106.5.5.1	5.106.5.5 and 5.106.5.5.1				
	Mandatory	Light pollution reduction [N] (with exceptions, notes and table)	5.106.8 through 5.106.8.2				
	Mandatory	Grading and paving (exception for additions and alterations not altering the drainage path)	5.106.10				
	Mandatory	Heat island effect	5.106.11				
	Mandatory	Hardscape alternatives [N]	5.106.11.1				
Division 5.2 Energy Efficiency	Mandatory	Meet the minimum energy efficiency standard	5.201.1				
Division 5.3 Water Efficiency and Conservation	Mandatory	Separate meters (new buildings or additions > 50,000 sf that consume more than 100 gal/day)	5.303.1.1				
	Mandatory	Separate meters (for tenants in new buildings or additions that consume more than 1,000 gal/day)	5.303.1.2				
	Mandatory	Water Reduction	5.303.2				
	Mandatory	Water closets shall not exceed 1.28 gallons per flush (gpf)	5.303.3.1				
	Mandatory	Wall-mounted urinals shall not exceed 0.125 gpf	5.303.3.2.1				
	Mandatory	Floor-mounted urinals shall not exceed 0.5 gpf	5.303.3.2.2				
	Mandatory	Single showerhead shall have maximum flow rate of 1.8 gpm (gallons per minute) at 80 psi	5.303.3.3.1				
	Mandatory	Multiple showerheads serving one shower shall have a combined flow rate of 1.8 gpm at 80 psi	5.303.3.3.2				
	Mandatory	Nonresidential lavatory faucets	5.303.3.4.1				
	Mandatory	Kitchen faucets	5.303.3.4.2				
	Mandatory	Wash fountains	5.303.3.4.3				
	Mandatory	Metering faucets	5.303.3.4.4				

	Mandatory	Metering faucets for wash fountains	5.303.3.4.5				
	Mandatory	Pre-rinse spray valve	5.303.3.4.6				
	Mandatory	Food waste disposers	5.303.4.1				
	Mandatory	Areas of additions or alterations	5.303.5				
	Mandatory	Standards for plumbing fixtures and fittings	5.303.6				
	Mandatory	Outdoor potable water use in landscape areas (with notes)	5.304.1				
Division 5.4 Material Conservation and Resource Efficiency	Mandatory	Weather protection	5.407.1				
	Mandatory	Moisture control: sprinklers	5.407.2.1				
	Mandatory	Moisture control: exterior door protection	5.407.2.2.1				
	Mandatory	Moisture control: flashing	5.407.2.2.2				
	Mandatory	Construction waste management – comply with either: Sections 5.408.1.1, 5.408.1.2, 5.408.1.3 or more stringent local ordinance	5.408.1.1, 5.408.1.2, 5.408.1.3				
	Mandatory	Construction waste management: documentation	5.408.1.4				
	Mandatory	Universal waste [A]	5.408.2				
	Mandatory	Excavated soil and land clearing debris (100% reuse or recycle)	5.408.3				
	Mandatory	Life Cycle Assessment, Scope, Whole building life cycle assessment with Notes, Building components, Reference study period, and Verification of compliance	5.409.1, 5.409.2, 5.409.2.1, 5.409.2.2 and 5.409.2.3				
	Mandatory	Life Cycle Assessment, Scope, Product GWP compliance – prescriptive path, 5.409.3.1 with Exception and Exception EQUATION, Verification of compliance and Product GWP limits Table with Footnotes	5.409.1, 5.409.3, 5.409.3.1, 5.409.3.2 and Table 5.409.3				
	Mandatory	Recycling by occupants (with exception)	5.410.1				
	Mandatory	Recycling by occupants: additions (with exception)	5.410.1.1				
	Mandatory	Recycling by occupants: sample ordinance	5.410.1.2				
	Mandatory	Commissioning new buildings (≥ 10,000 sf) [N]	5.410.2				

	Mandatory	Owner's or owner representative's Project Requirements (OPR) [N]	5.410.2.1				
	Mandatory	Basis of Design (BOD) [N]	5.410.2.2				
	Mandatory	Commissioning plan [N]	5.410.2.3				
	Mandatory	Functional performance testing [N]	5.410.2.4				
	Mandatory	Documentation and training [N]	5.410.2.5				
	Mandatory	Systems manual [N]	5.410.2.5.1				
	Mandatory	Systems operation training [N]	5.410.2.5.2				
	Mandatory	Commissioning report [N]	5.410.2.6				
	Mandatory	Testing and adjusting for new buildings < 10,000 sf or new systems that serve additions or alterations [A]	5.410.4				
	Mandatory	System testing plan for renewable energy, landscape irrigation and water reuse [A]	5.410.4.2				
	Mandatory	Procedures for testing and adjusting	5.410.4.3				
	Mandatory	Procedures for HVAC balancing	5.410.4.3.1				
	Mandatory	Reporting for testing and adjusting	5.410.4.4				
	Mandatory	Operation and maintenance (O&M) manual	5.410.4.5				
	Mandatory	Inspection and reports	5.410.4.5.1				
Division 5.5 Environmental Quality	Mandatory	Fireplaces	5.503.1				
	Mandatory	Woodstoves	5.503.1.1				
	Mandatory	Temporary ventilation	5.504.1				
	Mandatory	Covering of ducts openings and protection of mechanical equipment during construction	5.504.3				
	Mandatory	Adhesives, sealants and caulks	5.504.4.1				
	Mandatory	Paints and coatings	5.504.4.3				
	Mandatory	Aerosol paints and coatings	5.504.4.3.1				
	Mandatory	Aerosol paints and coatings: verification	5.504.4.3.2				

	Mandatory	Carpet systems	5.504.4.4				
	Mandatory	Carpet cushion	5.504.4.4.1				
	Mandatory	Carpet adhesives per Table 5.504.4.1	5.504.4.4.2				
	Mandatory	Composite wood products	5.504.4.5				
	Mandatory	Composite wood products: documentation	5.504.4.5.3				
	Mandatory	Resilient flooring systems	5.504.4.6				
	Mandatory	Resilient flooring: verification of compliance	5.504.4.6.1				
	Mandatory	Thermal insulation	5.504.4.7				
	Mandatory	Verification of compliance	5.504.4.7.1				
	Mandatory	Acoustical ceilings and wall panels	5.504.4.8				
	Mandatory	Verification of compliance	5.504.4.8.1				
	Mandatory	Filters (with exceptions)	5.504.5.3				
	Mandatory	Filters: labeling	5.504.5.3.1				
	Mandatory	Environmental tobacco smoke (ETS) control	5.504.7				
	Mandatory	Indoor moisture control	5.505.1				
	Mandatory	Outside air delivery	5.506.1				
	Mandatory	Carbon dioxide (CO ₂) monitoring	5.506.2				
	Mandatory	Carbon dioxide (CO ₂) monitoring in classrooms	5.506.3				
	Mandatory	Acoustical control (with exception)	5.507.4				
	Mandatory	Exterior noise transmission, prescriptive method (with exceptions)	5.507.4.1				
	Mandatory	Noise exposure where noise contours are not readily available	5.507.4.1.1				
	Mandatory	Performance method	5.507.4.2				
	Mandatory	Site features	5.507.4.2.1				
	Mandatory	Documentation of compliance	5.507.4.2.2				

	Mandatory	Interior sound transmission (with note)	5.507.4.3				
	Mandatory	Ozone depletion and greenhouse gas reductions	5.508.1				
	Mandatory	Chlorofluorocarbons (CFCs)	5.508.1.1				
	Mandatory	Halons	5.508.1.2				
	Mandatory	Supermarket refrigerant leak reduction for retail food stores 8,000 square feet or more Sections 5.508.2 through 5.508.2.6.3	5.508.2 through 5.508.2.6.3				
		END OF MANDATORY PROVISIONS					

Documentation Author's / Responsible Designer's Declaration Statement
__ Mandatory: I attest that this mandatory provisions checklist is accurate and complete.

Signature: _____

Company: _____ Date: _____

Address: _____ License: _____

City/State/Zip: _____ Phone: _____

Sec. 633. URGENCY CLAUSE. The City finds and declares that this ordinance is required for the immediate protection of the public peace, health, and safety for the following reasons: The regulations contained in this ordinance are necessary to safeguard life, limb, health, property and public welfare of persons within the City by regulating and controlling the design, construction, quality of materials, use and occupancy, location and maintenance of all buildings and structures erected or to be erected; by regulating certain grading operations; by regulating elevator maintenance and installations; by regulating electrical installations and plumbing systems; by regulating the design, construction, installation, alteration, repair, quality of materials, location, operation and maintenance of heating, ventilating, air-conditioning and refrigeration equipment and other miscellaneous heat-producing appliances installed in the City; and by identifying mandatory and voluntary green building measures. These regulations will protect residents and visitors of the City of Los Angeles by bringing the City's building standards in line with the State of California's Building Standards Code (California Code of Regulations Title 24) that will take effect January 1, 2026. Without the building standards contained in this ordinance, regulated structures, systems and building activity may present an immediate threat to the health and safety of all persons in the City. In order to address this threat the regulations contained in this ordinance must take effect immediately. For all of these reasons, this ordinance shall become effective upon publication pursuant to Section 253 of the Los Angeles City Charter.

Sec. 634. SEVERABILITY. If any portion, subsection, sentence, clause or phrase of this ordinance is for any reason held by a court of competent jurisdiction to be invalid such a decision shall not affect the validity of the remaining portions of this ordinance. The City Council hereby declares that it would have passed this ordinance and each portion or subsection, sentence, clause and phrase herein, irrespective of the

fact that any one or more portions, subsections, sentences, clauses or phrases be declared invalid.

Sec. 635. The City Clerk shall certify to the passage of this ordinance and have it published in accordance with Council policy, either in a daily newspaper circulated in the City of Los Angeles or by posting for ten days in three public places in the City of Los Angeles: one copy on the bulletin board located at the Main Street entrance to the Los Angeles City Hall; one copy on the bulletin board located at the Main Street entrance to the Los Angeles City Hall East; and one copy on the bulletin board located at the Temple Street entrance to the Los Angeles County Hall of Records.

Approved as to Form and Legality

HYDEE FELDSTEIN SOTO, City Attorney

By 
GRANT HUTCHINS
Deputy City Attorney

Date December 4, 2025

File No. 25-1217

M:\Real Prop_Env_Land Use\Land Use\Grant Hutchins\Triennial Building Code Update\2025.12.04 Transmission\R25-0621
Triennial Ordinance.docx

The Clerk of the City of Los Angeles hereby certifies that the foregoing ordinance was passed by the Council of the City of Los Angeles, **by a vote of not less than three-fourths** of all its members.

CITY CLERK

MAYOR

Ordinance Passed _____

Approved _____