

**ORDINANCE NO. \_\_\_\_\_**

An ordinance amending Chapter IX of the Los Angeles Municipal Code to incorporate by reference certain portions of the 2022 Edition of the California Building Standards Code and to make 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; and

**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.

**NOW, THEREFORE,**

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

Section 1. The second paragraph of Subsection 91.101.1 of Section 91.101, Division 1, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

The Los Angeles Building Code and the Los Angeles Residential Code adopt by indicated reference portions of the 2022 California Building Code (CBC) and the 2022 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).

Sec. 2. Exception 8 to Subsection 91.106.2 of Section 91.106, Division 1, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

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

Sec. 3. Exception 1 to Subsection 91.106.2 of Section 91.106, Division 1, Article 1, Chapter IX of the Los Angeles Municipal Code is hereby deleted and the remaining exceptions renumbered in numerical order.

Sec. 4. Item Number 1 of Subsection 91.106.4.5.1 of Section 91.106, Division 1, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

1. The Department shall send written notice of the demolition pre-inspection application via U.S. mail or email to the abutting property owners and occupants, as well as the City Council District Office and Certified Neighborhood Council Office representing the site, for which a demolition pre-inspection has been proposed for a building or structure as defined by the Los Angeles Municipal Code.

Sec 5. Section 91.703 of Division 7, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 703 of the CBC is adopted by reference, except that Section 703.2.3 of the CBC is not adopted and, in lieu, LAMC Subsection 91.703.2.3 is added.

Sec. 6. A new Subsection 91.703.2.3 is added to Section 91.703 of Division 7, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

**91.703.2.3. Approved Alternate Method.** The fire resistance of building elements, components or assemblies not complying with CBC Section 703.2.1 or 703.2.2 shall be

permitted to be established by an alternative protection method in accordance with LAMC Section 91.104.2.6.

Sec. 7. Section 91.1507 of Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 1507 of the CBC is adopted by reference, except Table 1507.3.7 of the CBC is not adopted and, in lieu, Los Angeles Municipal Code Table 1507.3.7 is added.

Sec. 8. Subsection 91.1507.3.1 of Section 91.1507, Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 9. Section 91.1511 of Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 1511 of the CBC is adopted by reference, except CBC Sections 1512.2.1 and 1512.3 are not adopted and, in lieu, Los Angeles Municipal Code Subsections 91.1512.2.1 and 91.1512.3 are added.

Sec. 10. Subsection 91.1511.3.1 of Section 91.1511 of Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1512.2.1.

Sec. 11. Subsection 91.1511.4 of Section 91.1511, Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1512.3 and amended in its entirety to read as follows:

**91.1512.3 Roof Recovering.** Roof covering may be applied over existing roofing in accordance to Los Angeles Municipal Code Table 1512.1.

Sec. 12. Table 1511.1 following Subsection 91.1512.3 of Section 91.1511, Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Table 1512.1.

Sec. 13. Section 91.1603 of Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 1603 of the CBC is adopted by reference and Los Angeles Municipal Code Subsection 91.1603.1.10 is added.

Sec. 14. Subsection 91.1603.1.9 of Section 91.1603 of Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1603.1.10 and amended in its entirety to read as follows:

**91.1603.1.10. Systems and Components Requiring Special Inspections for Seismic Resistance.** Construction documents or specifications shall be prepared for

those systems and components requiring special inspection for seismic resistance as specified in CBC Section 1705.13 by the registered design professional responsible for their design and shall be submitted for approval in accordance with LAMC Subsection 91.106.3.3. Reference to seismic standards in lieu of detailed drawings is acceptable.

Sec. 15. Section 91.1612 of Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 1612 of the CBC is adopted by reference, except CBC Section 1612.3 is not adopted and, in lieu, Los Angeles Municipal Code Subsection 91.1612.3 is added.

Sec. 16. A new Subsection 91.1612.3 is added to Section 91.1612, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

**91.1612.3. Establishment of Flood Hazard Areas.** To establish flood hazard areas, the applicable governing authority shall adopt a flood hazard map and supporting data. The flood hazard map shall include, at a minimum, areas of special flood hazard as identified by the Federal Emergency Management Agency in an engineering report entitled "The Flood Insurance Study for The City of Los Angeles," dated June 2, 2012, as amended or revised with the accompanying Flood Insurance Rate Map (FIRM) and Flood Boundary and Floodway Map (FBFM) and related supporting data along with any revisions thereto. The adopted flood hazard map and supporting data are hereby adopted by reference and declared to be part of this section.

Sec. 17. Subsection 91.1612.5 of Section 91.1612, Division 16, Chapter 1, Article IX Los Angeles Municipal Code is deleted in its entirety.

Sec. 18. Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 1613 of the CBC is adopted by reference, and Los Angeles Municipal Code Subsections 91.1613.5 through 91.1613.10.5 are added to read as follows:

Sec. 19. A new Subsection 91.1613.5 is added to Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

**91.1613.5. Amendments to ASCE 7.** The provisions of Subsections 91.1613.5.1 thru 91.1613.8 are amendments to the relevant provisions of ASCE 7.

Sec. 20. A new Subsection 91.1613.5.1 is added to Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

**91.1613.5.1. ASCE Supplements.** Supplements number 2 and 3 of ASCE 7 are hereby adopted by reference.

Sec. 21. Subsection 91.1613.5.3 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:

**91.1613.5.3. General.** The text of ASCE 7, Section 12.11.2.2.3 is modified to read as follows:

**12.11.2.2.3. Wood Diaphragms.** The anchorage of concrete or masonry structural walls to wood diaphragms shall be in accordance with AWC SDPWS 4.1.5.1 and this Section. Continuous ties required by this section shall be in addition to the diaphragm sheathing. Anchorage shall not be accomplished by use of toenails or nails subject to withdrawal, nor shall wood ledgers or framing be used in cross-grain bending or cross-grain tension. The diaphragm sheathing shall not be considered effective as providing ties or struts required by this section.

For structures assigned to seismic Design Category D, E or F, wood diaphragms supporting concrete or masonry walls shall comply with the following:

1. The spacing of continuous ties shall not exceed 40 feet. Added chords of diaphragms may be used to form subdiaphragms to transmit the anchorage forces to the main continuous crossties.
2. The maximum diaphragm shear used to determine the depth of the subdiaphragm shall not exceed 75% of the maximum diaphragm shear.

Sec. 22. Subsection 91.1613.5.5 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 23. The first paragraph of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

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, 1704.2.5.2, 1704.6, 1704.6.1, 1704.7, 1704.8, and 1704.9 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, 91.1704.2.1.3, 91.1704.2.3, 91.1704.2.4, 91.1704.2.5, 91.1704.2.5.1, 91.1704.2.5.2, 91.1704.6, and 91.1704.6.1 are added or amended to read as follows:

Sec. 24. Subsection 91.1704.6 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

**91.1704.6. Structural Observations.** Where required by the provisions of LAMC Subsection 91.1704.6.1, the owner shall employ the registered design professional in

responsible charge for the structural design, or another registered design professional designated by the registered design professional in responsible charge of the structural design to perform structural observations as defined in CBC Section 202. The structural observer shall visually observe representative locations of structural systems, details and load paths for general conformance to the approved construction documents.

Prior to the commencement of observations, the structural observer shall submit to the Superintendent of Building a written statement identifying the frequency and extent of proposed structural observations.

The owner or owner's representative shall coordinate and call a preconstruction meeting between the engineer or architect responsible for the structural design, structural observer, contractor, affected subcontractors and deputy inspectors. The structural observer shall preside over the meeting. The purpose of the meeting shall be to identify the major structural elements and connections that affect the vertical and lateral load systems of the structure and to review scheduling of the required observations. A record of the meeting shall be included in the first report submitted to the Superintendent of Building.

Observed deficiencies shall be reported, in writing, to the owner's representative, Registered Deputy Inspector, contractor and the Superintendent of Building. Upon the form prescribed by the Superintendent of Building, the structural observer shall submit to the Superintendent of Building a written statement at each significant construction stage stating that the site visits have been made and identify any reported deficiencies which, to the best of the structural observer's knowledge, have not been resolved. A final report by the structural observer, which states that all observed deficiencies have been resolved, is required before acceptance of the work by the Superintendent of Building.

Sec. 25. Subsection 91.1704.6.2 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1704.6.1 and amended in its entirety to read as follows:

**91.1704.6.1. Structural observation for structures.** Structural observation shall be provided for those structures where one or more of the following conditions exist:

1. The structure is classified as Risk Category III or IV.
2. The structure is a high-rise building.
3. A lateral design is required for the structure or portion thereof.

**EXCEPTION:** One-story wood framed Group R-3 and U occupancies less than 2,000 square feet in area, provided the adjacent grade is not steeper than 1 unit vertical in 10 units horizontal (10% slope), assigned to Seismic Design Category D.

4. Such observation is required by the registered design professional responsible for the structural design.
5. Such observation is specifically required by the building official.

Sec. 26. Section 91.1705 of Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 1705 of the CBC is adopted by reference, except CBC Sections 1705.3, 1705.3.2, 1705.6, 1705.7, 1705.8, 1705.12.1, 1705.12.1.1, 1705.13.1, 1705.13.4, 1705.16.2, 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, 91.1705.2.4, 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. 27. Table 1705.3 following Subsection 91.1705.3 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 28. Subsection 91.1705.3.1.2 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1705.3.1.1.

Sec. 29. Subsection 91.1705.12.1 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1705.13.1 and amended in its entirety to read as follows:

**91.1705.13.1. Structural Steel.** Special inspection for seismic resistance shall be in accordance with CBC Section 1705.13.1.1 or 1705.13.1.2, as applicable and during the fabrication and erection of buildings over 160 feet (48,768 mm) in height with structural steel moment resisting frames. A registered deputy inspector shall be present during the performance of all structural welding or the installation of all high-strength bolts whether in a fabricator's shop or at the job site.

#### **EXCEPTIONS:**

1. Single-pass fillet welds not exceeding 5/16-inch (7.9 mm) in size.
2. Floor and roof deck welding.

Sec. 30. Subsection 91.1705.12.1.1.1 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1705.13.1.1.1.

Sec. 31. Subsection 91.1705.13.1 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1705.14.1.

Sec. 32. Subsection 91.1705.17.2 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1705.18.2.

Sec. 33. Subsection 91.1705.18 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.1705.19.

Sec. 34. Section 91.1802 of Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

#### **SEC. 91.1802. DESIGN BASIS**

Section 1802 of the CBC is adopted by reference.

Sec. 35. Subsection 91.1905.1.11 of Section 91.1905, Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

**91.1905.1.11. ACI 318, Sec. 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. 36. A new Subsection 91.1906 is added to Section 91.1900, Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

#### **91.1906. Footings for Light-Frame Construction**

Sec. 37. Subsection 91.1906.1 of Section 91.1900, Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety 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.

**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. 38. Section 91.2304, Division 23, Article 1 Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 2304 of the CBC is adopted by reference, except Section 2304.10.2 and 2304.12.2.8 of the CBC are not adopted; and, in lieu, LAMC Subsections 91.2304.10.2 and 91.2304.12.2.8 are added.

Sec. 39. Subsection 91.2304.9.1.1 of Section 91.2304, Division 23, Article 1 Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2304.10.2 and amended 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 structure 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. 40. Subsection 91.2304.12.5 of Section 91.2304, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2304.12.2.8.

Sec. 41. Subsection 91.2308.6.5.1 of Section 91.2308, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

**91.2308.6.5.1. Alternate Braced Wall (ABW).** An ABW shall be constructed in accordance with this Section and CBC Figure 2308.6.5.1. 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 2308.3.1 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. 42. Subsection 91.2308.6.5.2 of Section 91.2308, Division 23, Article 1, Chapter IX of Los Angeles Municipal Code is amended in its entirety to read as follows:

**91.2308.6.5.2. Portal Frame with Hold-downs (PFH).** A PFH shall be constructed in accordance with this section and CBC Figure 2308.6.5.2. 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 2308.6.5.2. 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 2308.6.5.2. 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 2308.3.1 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. 43. Subsection 91.2308.6.9 of Section 91.2308, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

**91.2308.6.9. Attachment of Sheathing.** Fastening of braced wall panel sheathing shall not be less than that prescribed in LAMC Table 2308.6.1 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. 44. Section 91.2700, Division 27, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 27 of the CBC is hereby adopted by reference, except that Los Angeles Municipal Code Subsections 91.2702.2.11.1, 91.2702.2.16.1; and 91.2702.2.19.1 are added.

Sec. 45. A new Subsection 91.2702.2.11.1 is added to Section 91.2700, Division 27, Article 1, Chapter IX of the Los Angeles Municipal Code to read as follows:

**91.2702.2.11.1. Fuel Supply.** An on-premises fuel supply, sufficient for not less than 6-hour full-load operation of the emergency and standby power source(s), shall be provided. This fuel supply shall not be less than 8-hour when the load also includes fire pump(s).

Sec. 46. Subsection 91.2702.2.15.1 of Section 91.2700, Division 27, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2702.2.16.1.

Sec. 47. Subsection 91.2702.2.18.1 of Section 91.2700, Division 27, Article 1, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2702.2.19.1.

Sec. 48. Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is hereby amended to read as follows:

Section 3307 of the CBC is not adopted and, in lieu, Los Angeles Municipal Code Subsections 91.3307.1, 91.3307.2, 91.3307.2.1, 91.3307.2.2, 91.3307.3, 91.3307.3.1, and 91.3307.3.2 are added.

Sec. 49. Subsection 91.6302.4 of Section 91.6302, Division 63, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

**91.6302.4. Toilet Rooms and Vestibules.** Toilet rooms and vestibules for public or employees shall conform to the following standards:

1. **Toilet Rooms Required.** Toilet rooms shall be provided in accordance with the Los Angeles Plumbing Code.

2. **Location.** Toilet rooms shall be located on the premises of the food establishment. Toilet rooms for public use shall be readily accessible to customers. Toilet rooms shall be separated from other portions of the establishment by a tight-fitting, self-closing door.

Additional lavatories or equivalent hand-washing facilities shall be provided in all food preparation areas where the lavatories required in Item 1 are not conveniently located on the same floor and in or adjacent to the food preparation areas.

3. **Privacy.** Toilet rooms shall be so arranged or equipped with view screens as to protect users of toilets and urinals from view from outside the room when the door to the toilet room is open.

**EXCEPTION:** View screen is not required if the toilet room is only for single accommodation, unisex and a bathroom is provided.

4. **Dimensions.** Toilet rooms shall have dimensions and area as required in Division 11, Article 1, Chapter IX of the Los Angeles Municipal Code.

Sec. 50. Section 91.2.100 of Division 1, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

The Los Angeles Existing Building Code adopts by reference portions of the 2022 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. 51. Section 91.2.300 of Division 3, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 3 of the 2022 CEBC is hereby adopted by reference except as amended herein.

Sec. 52. Subsection 91.2.302.4 of Section 91.2.302, Division 3, Article 1.2, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2.302.3.

Sec. 53. Subsection 91.2.302.7 of Section 91.2.302, Division 3, Article 1.2, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2.302.6.

Sec. 54. Subsection 91.2.302.8 of Section 91.2.302, Division 3, Article 1.2, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2.302.7.

Sec. 55. Subsection 91.2.503.4 of Section 91.2.503, Division 5, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended in its entirety 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 in accordance with CBC Section 1609 or 1613, or where the alteration results in a prohibited structural irregularity as defined in ASCE 7, or where the alteration decreases the capacity of any existing lateral load-carrying structural element, the structure of the altered building or structure shall be shown to meet the requirements of CBC Sections

1609 and 1613. Reduced seismic loads shall be permitted providing the reduced seismic load is not less than the original building permitted seismic loads. For purposes of CEBC Section 503, compliance with ASCE 41, using the performance objective in CEBC Table 303.3.1 for the applicable risk category, shall be deemed to meet the requirements of CBC Section 1613, and using the performance objective in CEBC Table 303.3.2 for the applicable risk category, shall be deemed to meet the requirements of reduced seismic loads, with procedures established by the Department.

#### **EXCEPTIONS:**

1. Except for Unreinforced Masonry Buildings (URM):

Any existing lateral load-carrying structural element whose demand-capacity ratio with the alteration considered is no more than 10% 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 CBC Sections 1609 and 1613. Reduce seismic forces shall be permitted. For purposes of this exception, comparisons of demand-capacity ratios and calculations of design lateral loads, forces and capacities shall account for the cumulative effects of additions and alterations since original construction.

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

2. Unreinforced Masonry (URM) Buildings:

Any existing lateral load-carrying structural element on an URM building whose demand-capacity ratio with the alteration considered is less than 10% greater than its demand-capacity ratio with the alteration, it shall comply with CEBC Appendix Chapter A1. When the demand-capacity ratio with the alteration considered is 10% or greater than its demand-capacity ratio with the alteration ignored, it shall be designed per CBC Chapter 16.

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

Sec. 56. Subsection 91.2.506.4.3 of Section 91.2.506, Division 5, Article 1.2, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.2.506.5.3 and amended in its entirety 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 building shall satisfy the requirements of Section 1613 of the California Building Code for the new risk category using full seismic forces. For purposes of this Section, compliance with ASCE 41, using a Tier 3 procedure and the two-level performance objective in CEBC Table 303.3.1 for the applicable risk category, shall be deemed to meet the requirements of CBC Section 1613, with procedures established by the Department.

#### **EXCEPTIONS:**

1. Where the area of the new occupancy is less than 10% 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. When a change of use results in a structure being reclassified from Risk Category I or II to Risk Category III and the structure is located where the seismic coefficient, SDS, is less than 0.33, compliance with the seismic requirements of CBC Sec. 1613 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, use of reduced seismic forces shall be permitted.

For a change of occupancy of an existing commercial or industrial building to residential use, all existing buildings shall be analyzed for 75% 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.

For URM buildings with an approved occupant load greater than 100, the occupant load may be increased by a maximum of 10% without changing the rating class or risk category.

The most restrictive requirement of CEBC Sections 502 (Addition), 503 (Alternation), 405 (Repair) and 506 (Change of Occupancy) shall apply.

Sec. 57. Section 91.2.2200 of Division 22, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

**SEC. 91.2.2200. REFERENCED STANDARDS.**

Appendix A, Chapter A5 of the CEBC is hereby adopted by reference.

Sec. 58. Section 91.5.100 of Division 1, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

The Los Angeles Residential Code adopts by reference portions of the California Residential Code (CRC). Chapter 1 and Appendix AS of the CRC are 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. 59. 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. In addition to the LARC, Divisions 1, 11, 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 2022 California Building Code (CBC) or the 2022 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 R313:

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 care facility for five or fewer persons receiving care that are within a single-family dwelling.

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. 60. Subsection 91.5.201.4 of Section 91.5.201, Division 2, Article 1.5, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 61. Section 91.5.300 of Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 3 of the CRC is adopted by reference except for the following Sections are not adopted: R301.1.3, R301.1.3.2, R301.2.2.6, R311.2, R313.1, R313.2, R321.1, R321.2, R322.1.4.1, and Table R301.2(1); and the following LAMC Sections are added: 91.5.301.1.3, 91.5.301.1.3.2, 91.5.301.1.5, 91.5.301.2.2.6, ,91.5.301.2.2.11, 91.5.311.2, 91.5.313.1, 91.5.313.2, 91.5.321.1, 91.5.321.2, 91.5.322.1.4.1, and Table R301.2(1).

Sec. 62. Subsection 91.5.301.1.4 of Section 91.5.301, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.5.301.1.5.

Sec. 63. Subsection 91.5.301.2.2.2.5 of Section 91.5.301, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is renumbered as Subsection 91.5.301.2.2.6.

Sec. 64. Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 6 of the CRC is hereby adopted by reference with the exceptions, modifications and additions set forth below.

Sec. 65. Figure 91.5.602.10.3.2 of Section 91.5.602, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is renumbered as Figure 91.5.602.10.6.1.

Sec. 66. Subsection 91.5.606.4.4 of Section 91.5.606, Division 6, Article 1.5, Chapter IX of Los Angeles Municipal Code is deleted in its entirety.

Sec. 67. Table 91.5.802.5.2 following Section 91.5.800, Division 8, Article 1.5, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 68. Section 93.0101 of Division 1, Article 3, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

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 2022 **“California Electrical Code”** and the 2022 **“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. 69. Section 93.0201 of Division 2, Article 3, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

No person shall, install, alter, reconstruct; or repair any electrical wiring unless a permit therefor has been obtained from the Department except as otherwise provided in this Code. A permit is required for solar powered, stand-alone equipment, including, but not limited to, solar powered pole-mounted luminaires.

**EXCEPTIONS:**

1. A separate electrical permit shall not be required for any electrical wiring for which a combined building-mechanical permit has been obtained pursuant to LAMC Subsection 91.107.2.2.
2. No person shall be subject to fine, imprisonment or payment of an investigation fee for starting or doing any electrical wiring without a permit being first obtained if a permit is obtained therefor on or before 12:00 noon on the third day the office of the Department is open for public business after the electrical wiring was started.

Sec. 70. Subsection (a) of Section 93.0206, Division 2, Article 3, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

(a) Plans and specifications required by the provisions of Subsection (b) of this Sec. shall be prepared by and bear the signature and registration number of an appropriate State of California Civil Engineer, Structural Engineer, Geotechnical Engineer (when the work is supplementary to Civil Engineering work), Electrical Engineer or Licensed Architect.

**EXCEPTION:** Plans and specifications required for Subdivisions 1, 2, and 4 through 12 of Subsection (b) of this section may be prepared and signed by a person holding a state license as a contractor who will perform the work. The work must be within the classification for which the license is issued.

Sec. 71. 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 m<sup>2</sup>), 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).
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 electrical devices, equipment and lighting systems, subject to the California Energy Code.

11. Installation of renewable energy system(s) (i.e., photovoltaic, wind, fuel cell, etc.).

**EXCEPTION:** Department approved on-line permitted Standard plans.

12. Installation of Energy Storage System(s) (ESS).

**EXCEPTION:** Department approved online permitted Standard plans.

13. Engineering calculation(s) and analysis.

Sec. 72. The first paragraph of Section 93.0600, Division 6, Article 3, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 1 of the California Electrical Code (CEC) is adopted by reference for the purpose of providing definitions and requirements for electrical installations except as those definitions are modified or new definitions added as provided herein.

Sec. 73. Subsection 93.0690.12(2) of Section 93.0609, Division 6, Article 3, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 74. Subsection 93.0690.17(E) of Section 93.0609, Division 6, Article 3, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 75. Section 93.0700 of Division 7, Article 3, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapters 1 through 9, Annex C, H, G and I of the 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 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. 76. 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:** Unit equipment branch circuits as permitted in CEC Section 700.12(I).

Sec. 77. Section 94.100.0 of Division 1, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 1 of the California Plumbing Code (CPC) is not adopted.

Sec. 78. 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 2022 California Plumbing Code (CPC) of Title 24 of the California Code of Regulations (CCR).

Sec. 79. Section 94.200.0 of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 2 of the California Plumbing Code (CPC) is adopted by reference with the following exceptions: CPC Sections 203, 204, 205, 206, 207, 208, 210, 212, 215, 219, 220, and 221 are not adopted and, in lieu, LAMC Sections 94.203.0, 94.204.0, 94.205.0, 94.206.0, 94.207.0, 94.208.0, 94.210.0, 94.212.0, 94.215.0, 94.219.0, 94.220.0, and 94.221 are added.

Sec. 80. Section 94.201.0 of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 201.0 of the CPC is adopted by reference.

Sec. 81. Section 94.202.0 of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 202.0 of the CPC is adopted by reference.

Sec. 82. The first sentence of Section 94.203.0.A, Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 203.0 of the CPC is adopted by reference with the following additions and amendments:

Sec. 83. The first sentence of Section 94.204.0.B of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 204.0 of the CPC is adopted by reference with the following addition:

Sec. 84. Section 94.205.0.C of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 205.0 of the CPC is adopted by reference with the following additions and amendments:

**California Plumbing Code (CPC).** The 2022 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. 85. The first sentence of Section 94.206.0.D of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 206.0 of the CPC is adopted by reference with the following amendment:

Sec. 86. The first sentence of Section 94.207.0.E of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 207.0 of the CPC is hereby adopted by reference with the following additions and amendments:

Sec. 87. The first sentence of Section 94.208.0.F of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 208.0 of the CPC is hereby adopted by reference with the following additions and amendments:

Sec. 88. The first sentence of Section 94.209.0.G of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 209.0 of the CPC is hereby adopted by reference with the following additions and amendments:

Sec. 89. The first sentence of Section 94.210.0.H of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 210.0 of the CPC is hereby adopted by reference with the following additions and amendments:

Sec. 90. Section 94.211.0.I of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 211.0 of the CPC is hereby adopted by reference.

Sec. 91. The first sentence of Section 94.212.0.J of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is hereby amended to read as follows:

Section 212.0 of the CPC is hereby adopted by reference with the following additions and amendments:

Sec. 92. Section 94.213.0.K of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 213.0 of the CPC is hereby adopted by reference.

Sec. 93. Section 94.214.0.L of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 214.0 of the CPC is hereby adopted by reference.

Sec. 94. The first sentence of Section 94.215.0.M of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 215.0 of the CPC is hereby adopted by reference with the following additions and amendments:

Sec. 95. The first sentence of Section 94.220.0.R of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 220.0 of the CPC is hereby adopted by reference with the following additions and amendments:

Sec. 96. The first sentence of Section 94.221.0.S of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 221.0 of the CPC is hereby adopted by reference with the following additions and amendments:

Sec. 97. Section 94.222.0.T of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 222.0 of the CPC is hereby adopted by reference.

Sec. 98. Section 94.223.0.U of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 223.0 of the CPC is hereby adopted by reference.

Sec. 99. Section 94.224.0.V of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 224.0 of the CPC is hereby adopted by reference.

Sec. 100. Section 94.225.0.W of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 225.0 of the CPC is hereby adopted by reference.

Sec. 101. Section 94.226.0.X of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 226.0 of the CPC is hereby adopted by reference.

Sec. 102. Section 94.227.0.Y of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 227.0 of the CPC is hereby adopted by reference.

Sec. 103. Section 94.228.0.Z of Division 2, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 228.0 of the CPC is hereby adopted by reference.

Sec. 104. Section 94.300.0 of Division 3, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 3 of the CPC is adopted by reference.

Sec. 105. Section 94.400.0 of Division 4, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 4 of the CPC is adopted by reference except CPC Sections 412.1 and 412.1.2 are not adopted, and LAMC Subsections 94.407.2.4, 94.412.1, 94.412.1.2, 94.414.4, and 94.414.5 are amended or added to read as follows:



Sec. 106. Subsection 94.412.1 is added to Section 94.412 of Division 4, Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

**94.412.1. Application.** Urinals shall comply with ASME A112.19.2/CSA B45.1, ASME A112.19.19, or CSA B45/IAPMO Z124. Wall-mounted urinals shall have an average water consumption not to exceed 0.125 gallons (0.47 L) per flush. Other urinals shall have an average water consumption not to exceed 0.125 gallons (0.47 L) per flush.

Sec. 107. Subsection 94.412.1.2 is added to Section 94.412 of Division 4, Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

**94.412.1.2. Floor-Mounted Urinals.** [BSC-CG, DSA-SS & DSA-SS/CC]. The effective flush volume of floor-mounted or other urinals shall not exceed 0.125 gallons (0.47 L) per flush in compliance with Chapter 5, Division 5.3, of the California Green Buildings Standards Code (CAL Green).

Sec. 108. Section 94.500.0 of Division 5, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 5 of the CPC is adopted by reference.

Sec. 109. Section 94.600.0 of Division 6, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

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 94.603.5.12, 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. 110. A new Subsection 94.603.5.12 is added to Section 94.600.0, Division 6, Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

**94.603.5.12. Beverage Dispensers.** Potable water supply to carbonated beverage dispensers shall be protected by an air gap or vented backflow preventer that complies with ASSE 1022. For carbonated beverage dispensers, piping material installed downstream of the backflow preventer shall not be affected by carbon dioxide gas. Potable water supply to non-carbonated beverage dispensers, such as ice makers and coffee machines, shall be protected by an air gap or dual check backflow preventer that comply with ASSE 1032 or ASSE 1024.

Sec. 111. Section 94.700.0 of Division 7, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 7 of the CPC is adopted by reference.

Sec. 112. Section 94.800.0 of Division 8, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 8 of the CPC is adopted by reference.

Sec. 113. Section 94.900.0 of Division 9, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 9 of the CPC is adopted by reference.

Sec. 114. Section 94.1000.0 of Division 10, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 10 of the CPC is adopted by reference.

Sec. 115. Section 94.1100.0 of Division 11, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 11 of the CPC is adopted by reference with the following exceptions: CPC Sections 1101.12.2.2, 1101.12.2.2.2, 1101.14, and 1101.16.2 are not adopted and, in lieu, LAMC Subsections 94.1101.12.2.2 and 94.1101.14 are added.

Sec. 116. Section 94.1200.0 of Division 12, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 12 of the CPC is adopted by reference and LAMC Section 94.1217.0 is added.

Sec. 117. Section 94.1300.0 of Division 13, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 13 of the CPC is not adopted.

Sec. 118. Section 94.1400.0 of Division 14, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 14 of the CPC is not adopted.

Sec. 119. Section 94.1500.0 of Division 15, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 15 of the CPC is adopted by reference.

Sec. 120. Section 94.1600.0 of Division 16, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 16 of the CPC is adopted by reference.

Sec. 121. Section 94.1700.0 of Division 17, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 17 of the CPC is adopted by reference.

Sec. 122. Section 94.1800.0 of Division 18, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

The 2021 Uniform Solar Energy, Hydronics, and Geothermal code is adopted by reference, except Chapters 1, 8, and the Appendices are not adopted.

Sec. 123. Section 94.1900.0 of Division 19, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

The 2021 Uniform Swimming Pool, Spa, and Hot Tub Code is adopted by reference, except Chapters 1, 3, 4, 8, and 9 are not adopted.

Sec. 124. Section 94.2010.0 of Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 35 of the 2022 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. 125. 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 2022 California Building Code as they pertain to sprinkler systems.

Sec. 126. 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 3.3.243 is added to read as follows:

**3.3.243** 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. 127. 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 10.2.5.4.2.

Sec. 128. Subsection 94.2010.4 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:

**94.2010.4.** NFPA 13 Section 16.9.10.5 is added to read as follows:

**Locations.** Floor control valves shall be within a stairway enclosure or within the vestibule or on the access balcony of a smoke proof enclosure.

**EXCEPTIONS:**

1. In buildings with three or fewer stories or where there is no stairway that serves a floor, control valves may be located elsewhere on the floor level.
2. Unenclosed stairways in parking garages.

Sec. 129. Subsection 94.2010.5 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:

**94.2010.5.** NFPA 13 Section 19.3.3.6 is added to read as follows:

**19.3.3.6.** Water curtains shall be hydraulically calculated in accordance with NFPA 13 Section 19.3.

Sec. 130. Section 94.2013.0 of Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 35 of the 2022 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. 131. Subsection 94.2013.1 of Section 94.2013.0, Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is amended to read in its entirety as follows:

**94.2013.1.** Comply with the sprinkler provisions in Chapters 4 and 9 of the 2022 California Building Code as they pertain to NFPA 13R.

Sec. 132. Section 94.2014.0 of Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 35 of the 2022 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. 133. 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 2022 California Building Code as they pertain to sprinkler systems in residential occupancies within the scope of NFPA 13D.

Sec. 134. Section 94.2020.0 of Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows.

Chapter 35 of the 2022 California Building Code to the extent it adopts and amends NFPA 20 is adopted by reference and the following Los Angeles Municipal Code subsections are added to read as follows:

Sec. 135. 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 2022 California Building Code as they pertain to NFPA 14.

Sec. 136. Subsection 94.2020.2 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:

**94.2020.2.** NFPA 14 Section 6.4.5.3.1 is hereby added to read as follows:

**6.4.5.3.1.** Where the Fire Department inlet connection does not serve the entire building, the portion served shall be suitably identified.

Sec. 137. Subsection 94.2020.3 of Section 94.2020.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

**94.2020.3.** NFPA 14 Section 9.1.5 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. 138. Subsection 94.2020.4 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:

**94.2020.4. Pressure Regulator Hose Valve Test.**

Sec. 139. Subsection 94.2020.4.1 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:

**94.2020.4.1. Test Required.** When required by the Fire Department, 2 1/2 inch (63.5 mm) pressure regulator hose valves installed on standpipe outlets shall be tested for proper operation at a flow of 300 g.p.m. with a minimum residual pressure of 125 psi in the presence of a representative of the Fire Department.

Sec. 140. Subsection 94.2020.4.4 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:

**94.2020.4.4. Drain.** The test openings shall drain to a minimum 3 inch (76.2 mm) drain line constructed and installed as required for fire sprinkler drains. The drains shall not discharge where they may cause damage. Where available, drains shall terminate to the fire water storage tank. When test openings are located below tank elevation alternate means for testing and drainage shall be provided as needed.

Sec. 141. Subsection 94.2020.4.5 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:

**94.2020.4.5. Interconnection.** The test drain shall either be separate or connect to a fire sprinkler drain. Low point Auxiliary drains shall be added if required.

Sec. 142. A new Subsection 94.2020.5 is added to Section 94.2020.0 of Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code to read as follows:

**94.2020.5.** NFPA 14 Section 11.2.3 is amended to read as follows:

11.2.3. Flushing the System Riser. Water shall flow from the topmost outlet of each riser until the system is clear of debris.

11.2.3.1. 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.

11.2.3.2. 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. 143. 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 2022 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. 144. 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 2022 California Building Code.

Sec. 145. 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. 3.16.11 is added to read as follows:

**3.16.11. Fire Department Connections.** Fire Department connections shall not be connected to on suction side of the pump.

Sec. 146. Subsection 94.2030.3 of Section 94.2030.0, Division 20, Article 4, Chapter IX of the LAMC is amended in its entirety to read as follows:

**94.2030.3.** The discharge from the test header shall terminate to the fire storage tank when available. And shall be readily accessible for testing and maintenance.

Sec. 147. Section 94.2040.0 of Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code AMC is amended to read as follows:

Chapter 35 of the 2022 California Building Code to the extent it adopts and amends NFPA 24 is adopted by reference.

Sec. 148. 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 2022 California Building Code as it pertains to the installation of private fire service mains and their appurtenances.

Sec. 149. Section 94.2050.0 of Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 35 of the 2022 California Building Code to the extent it adopts and amends NFPA 22 is adopted by reference.

Sec. 150. Subsection 94.2050.1 of Section 94.2050.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

**94.2050.1.** Comply with the fire tank provisions in Chapters 4 and 9 of the California Building Code as it pertains to NFPA 22.

Sec. 151. Subsection 94.2050.2 of Section 94.2050.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

**94.2050.2. 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 required standpipe demand capacity for the duration as specified in Table 19.2.3.1.2 of NFPA 13 or the requirements in Section 403.3.3 of the 2022 California Building Code, whichever is greater.

Sec. 152. The first sentence of 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 2022 California Plumbing Code are not adopted, and Appendix A of the 2022 California Plumbing Code is adopted by reference with the following amendment:

Sec. 153. Section 95.100 of Division 1, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 1 of the California Mechanical Code (CMC) is not adopted.

Sec. 154. 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 2022 California Mechanical Code (CMC) which is Part 4 of Title 24 of the California Code of Regulations (CCR).

Sec. 155. Section 95.200.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 2 of the California Mechanical Code (CMC) is adopted by reference with the following exceptions: CMC Sections 203, 204, 205, 206, 207, 208, 215, 217, 219 and 221 are not adopted and, in lieu, Los Angeles Mechanical Code Sections 95.203, 95.204, 95.205, 95.206, 95.207, 95.208, 95.215, 95.217, 95.219, and 95.221 are added as provided in this article.

Sec. 156. Section 95.201.0, Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 157. Section 95.202.0, Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 158. The first sentence of Section 95.203.0, Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 203.0 of the CMC is adopted by reference, except that the CMC definition of the following term is not adopted:

Sec. 159. The first sentence of Section 95.204.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 204.0 of the CMC is adopted by reference, except that the CMC definition of the following term is not adopted:

Sec. 160. The first sentence of Section 95.205.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 205.0 of the CMC is adopted by reference and the following definitions are added:

Sec. 161. The first sentence of Section 95.206.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 206.0 of the CMC is adopted by reference, except that the CMC definition of the following term is not adopted:

Sec. 162. The first sentence of Section 95.207.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 207.0 of the CMC is adopted by reference, except that the CMC definition of the following term is not adopted:

Sec. 163. The first sentence of Section 95.208.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 208.0 of the CMC is adopted by reference, except that the CMC definition of the following term is not adopted.

Sec. 164. Section 95.209.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 209.0 of the CMC is adopted by reference.

Sec. 165. Section 95.210.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 210.0 of the CMC is adopted by reference

Sec. 166. Section 95.211.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 211.0 of the CMC is adopted by reference.

Sec. 167. Section 95.212.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 212.0 of the CMC is adopted by reference.

Sec. 168. Section 95.213.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 213.0 of the CMC is adopted by reference.

Sec. 169. Section 95.214.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 214.0 of the CMC is adopted by reference.

Sec. 170. The first sentence of Section 95.215.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 215.0 of the CMC is adopted by reference.

Sec. 171. Section 95.216.0, Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 216.0 of the CMC is adopted by reference.

Sec. 172. The first sentence of Section 95.217.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 217.0 of the CMC is adopted by reference, except that the CMC definition of the following term is not adopted.

Sec. 173. Section 95.218.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 174. The first sentence of Section 95.219.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 219.0 of the CMC is adopted by reference, except that the CMC definition of the following term is not adopted:

Sec. 175. Section 95.220.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is hereby amended to read as follows.

Section 220.0 of the CMC is adopted by reference.

Sec. 176. Section 95.221.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 221.0 of the CMC is adopted by reference with the following additions:

**SUPERINTENDENT OF BUILDING.** The Superintendent of Building is the General Manager of the Department of Building and Safety.

Sec. 177. Section 95.222.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 222.0 of the CMC is adopted by reference.

Sec. 178. Section 95.223.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 223.0 of the CMC is adopted by reference.

Sec. 179. Section 95.224.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 224.0 of the CMC is adopted by reference.

Sec. 180. Section 95.225.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 225.0 of the CMC is adopted by reference.

Sec. 181. Section 95.226.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 226.0 of the CMC is adopted by reference.

Sec. 182. Section 95.227.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 227.0 of the CMC is adopted by reference.

Sec. 183. Section 95.228.0 of Division 2, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section 228.0 of the CMC is adopted by reference.

Sec. 184. The first sentence of Section 95.300 of Division 3, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 3 of the CMC is hereby adopted by reference with the following amendment:

Sec. 185. Section 95.400 of Division 4, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 4 of the CMC is hereby adopted by reference.

Sec. 186. Section 95.500 of Division 5, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 5 of the CMC is hereby adopted by reference.

Sec. 187. Section 95.600 of Division 6, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 6 of the CMC is hereby adopted by reference.

Sec. 188. Section 95.700 of Division 7, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 7 of the CMC is hereby adopted by reference.

Sec. 189. Section 95.800 of Division 8, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 8 of the CMC is hereby adopted by reference.

Sec. 190. Section 95.900 of Division 9, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 9 of the CMC is hereby adopted by reference.

Sec. 191. Section 95.1000 of Division 10, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows.

Chapter 10 of the CMC is hereby adopted by reference.

Sec. 192. Section 95.1100 of Division 11, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 11 of the CMC is hereby adopted by reference.

Sec. 193. Section 95.1200 of Division 12, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 12 of the CMC is hereby adopted by reference.

Sec. 194. Section 95.1300 of Division 13, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 13 of the CMC is hereby adopted by reference.

Sec. 195. Section 95.1400 of Division 14, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 14 of the CMC is hereby adopted by reference.

Sec. 196. Section 95.1500 of Division 15, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 15 of the CMC is hereby not adopted by reference.

Sec. 197. Section 95.1600 of Division 16, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 16 of the CMC is hereby adopted by reference.

Sec. 198. Section 95.1700 of Division 17, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 17 of the CMC is hereby adopted by reference.

Sec. 199. Section 95.1800 of Division 18, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Appendices B and C of the CMC are adopted by reference. Appendices A, D, E, F, G and H of the CMC are not adopted.

Sec. 200. Subsection (a) of Section 98.0501 of Division 5, Article 8, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

(a) **General Approvals.** The provisions of this Code are not intended to prevent the use of any material, system, device or method of construction not

specifically prescribed by this Code, provided any such alternate has been approved and its use authorized by the Department.

When certification or listing is required by this code for any material, system or device, the certification or listing shall be by a certification body that has been accredited by a nationally recognized accreditation body in accordance with ISO/IEC 17065. Testing of products, materials, systems or devices for the purpose of product approval shall be performed by testing laboratories that have been accredited by a nationally recognized accreditation body in accordance with ISO/IEC 17025. The Department shall develop a process for accepting testing laboratories and certification bodies to ensure legitimacy and protect against conflict of interest, such process shall be published and made available on the Department's website.

The Department shall have the authority to grant approval for any product or method of construction, provided that sufficient evidence has been provided to the Department to demonstrate adequacy of the prescribed device, material or method of construction with the Code in terms of quality, fire resistance, strength, effectiveness, durability and safety. In granting of such approval, the Department at its own discretion, may do so in the form of a General Approval or a One-Time approval. The Department shall develop a process for General Approval and One-Time approval. Such process shall be published and made available on the Department's website.

The Department shall use Division 35, Article 1, Chapter IX of the Los Angeles Municipal Code in evaluating products, materials, systems, or devices for approval where such standard exists for the product or the material and may use other approved standards which apply.

The Department determination on an application for general approval may be appealed to the Board of Building and Safety Commissioners under the applicable provisions of this article.

Sec. 201. Subsection (a) of Section 98.0602 of Division 6, Article 8, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

(a) Every permit issued shall be valid for a period of two years from the date thereof, provided that any permit shall expire 12 months from date of issuance if the work authorized under any permit associated to the current scope of work has not been commenced; or shall expire whenever the Department determines the work authorized by any permit has been suspended, discontinued or abandoned for a continuous period of 12 months. (See Health and Safety Code Sections 18938.5 and 18938.6).

**EXCEPTION:**

1. If the holder of any permit issued by the Department presents satisfactory evidence that unusual construction difficulties have prevented work from being started or continued without being suspended

with the 12-month time period or completed within the two-year period of validity, the department or the Board may grant extensions of time reasonably necessary because of such difficulties.

2. If the permit(s) is related to or for a residential occupancy issued by the Department, and if the work authorized under any permit associated to the current scope of work for said residential occupancy has not been commenced, the permit(s) shall expire within 12 months after issuance. If the holder of any permit concerning residential occupancy issued by the Department presents satisfactory evidence that unusual construction difficulties have prevented work from being started or continued without being suspended with the 12-month time period or completed within the two-year period of validity, the Department or the Board may grant extensions of time reasonably necessary because of such difficulties.

Notwithstanding the provisions of this subsection, the validity of a permit may be further restricted in the following conditions:

1. In the case that a building or structure has been ordered repaired or demolished in accordance with Los Angeles Municipal Code Sections 91.8903, 91.8904, or 91.8905, such time limits as are specified therein shall apply.

2. The Department or the Board may, because of unusual circumstances or conditions such as, but not limited to, the demolition of an imminently hazardous building, or a grading operation which may be subject to flooding during the rainy season, impose restrictions upon the time limits for expiration of any permit.

3. The time limit for the validity of relocation permits shall be as specified in LAMC Section 91.8306.

4. The time limit for the validity of tent permits shall be as specified in LAMC Subsection 91.106.1.3.

5. The time limit for the validity of permits for the installation of metal bars, grills, grates, security roll-down shutters, and similar devices, and of quick-release systems shall be as specified in Los Angeles Municipal Code Subsection 91.107.4.5.

6. The time limit of validity of permits for temporary signs on temporary construction walls, or for temporary signs on a fence of solid wood or similar material surrounding a vacant lot, issued pursuant to the provisions of Section 14.4.17, shall be as specified in Subsection 14.4.17 C. of the Los Angeles Municipal Code.



Sec. 202. 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 2022 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. 203. Section 99.02.200 of Division 2, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 2 of the California Green Building Standards Code is adopted by reference except as provided in this article.

Sec. 204. Section 99.02.202 of Division 2, Article 9, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

#### **SEC. 99.02.202. DEFINITIONS.**

Section 202 of CALGreen is adopted by reference with the following amendments:

The following definitions are added:

**ACCESSIBLE.** Having access thereto, but which first may require the removal of an access panel door or similar obstruction.

**ALL-ELECTRIC BUILDING.** A building that contains no combustion equipment, plumbing for combustion equipment, gas piping, or fuel gas serving any use including, but not limited to, space heating (including fireplaces), water heating (including pools and spas), cooking appliances (including barbeques), and clothes drying, within the building or building property lines, and instead uses electricity as the sole source of energy for all lighting, appliances and/or equipment, including, but not limited to, space heating, water heating, cooking appliances, and drying appliances.

**COMBUSTION EQUIPMENT.** Any equipment or appliance used for space heating, water heating, cooking, clothes drying, lighting, or other type of equipment and/or appliance that uses fuel gas.

**COMMERCIAL FOOD HEAT-PROCESSING EQUIPMENT.** Any equipment used in a food establishment for heat-processing food or utensils and that produces grease

vapors, steam, fumes, smoke, or odors that are required to be removed through a local exhaust ventilation system, as defined in the California Mechanical Code.

**ELECTRIC HEATING APPLIANCE.** A device that produces heat energy to create a warm environment by the application of electric power to resistance elements, refrigerant compressors, or dissimilar material junctions, as defined in the California Mechanical Code.

**ENFORCING AGENCY.** The Department of Building and Safety of the City of Los Angeles.

**FUEL GAS.** Includes, but is not limited to, butane, coal, crude oil, ethane, fossil fuels, hydrogen, kerosene, liquefied petroleum, manufactured petroleum, methane, natural gas, natural petroleum, oil, petrol, propane, and/or any mixture of these.

Sec. 205. Section 99.03.300 of Division 3, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 3 of the California Green Building Standards Code is adopted by reference except as amended herein.

Sec. 206. Section 99.04.100 of Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 4 of the California Green Building Standards Code is adopted by reference except as amended herein.

Sec. 207. Subsection 99.04.106.4.2 of Section 99.04.106, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

**99.04.106.4.2. New Multifamily Dwellings, Hotels and Motels and New Residential Parking Facilities.** When parking is provided, parking spaces for new multifamily dwellings, hotels and motels shall meet the requirements of Sections 99.04.106.4.2.1 and 99.04.106.4.2.2. Calculations for spaces shall be rounded up to the nearest whole number. 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 a local jurisdiction. See Vehicle Code Section 22511.2 for further details.

Sec. 208. Subsection 99.04.106.4.2.1 is added to Section 99.04.106 of Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code to read as follows:

**99.04.106.4.2.1. Multifamily Development Projects With Less Than 20 Dwelling Units; and Hotels and Motels With Less Than 20 Sleeping Units or Guest Rooms.**

The number of dwelling units, sleeping units or guest rooms shall be based on all buildings on a project site subject to this section.

1. **EV Capable.** Thirty percent of the total number of parking spaces on a building site, provided for all types of parking facilities, shall be electric vehicle load calculations shall demonstrate that the electrical panel service capacity and electrical system, including any on-site distribution transformer(s), have sufficient capacity to simultaneously charge all EVs at all required EV spaces. An automatic load management system (ALMS) may be used to simultaneously charge all EVs at all required EV spaces at a minimum of 40 amperes.

The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as “EV CAPABLE” in accordance with the *California Electrical Code*.

#### **EXCEPTIONS:**

1. When EV chargers (Level 2 EVSE) are installed in a number equal to or greater than the required number of EV capable spaces.

2. When EV chargers (Level 2 EVSE) are installed in a number less than the required number of EV capable spaces, the number of EV capable spaces required may be reduced by a number equal to the number of EV chargers installed.

#### **NOTES:**

a. Construction documents are intended to demonstrate the project’s capability and capacity for facilitating future EV charging and shall show locations of proposed EV spaces.

b. There is no requirement for EV spaces to be constructed or available until receptacles for EV charging or EV chargers are installed for use.

2. **EV Ready.** Twenty-five percent of the total number of parking spaces, but in no case less than one per multifamily dwelling unit, shall be equipped with low power Level 2 EV charging receptacles. For multifamily dwelling parking facilities, no more than one receptacle is required per dwelling unit when more than one parking space is provided for use by a single dwelling unit. The number of EV Ready parking spaces may be counted toward the total number of EV Capable parking spaces required for the building per Los Angeles Municipal Code Subsection 99.04.106.4.2.1, Item 1.

**EXCEPTION:** Areas of parking facilities served by parking lifts.

Sec. 209. Subsection 99.04.106.4.2.2 is added to Section 99.04.106 of Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code to read as follows:

**99.04.106.4.2.2. Multifamily Development Projects With 20 or More Dwelling Units, Hotels and Motels With 20 or More Sleeping Units or Guest Rooms.** The number of dwelling units, sleeping units or guest rooms shall be based on all buildings on a project site subject to this section.

1. **EV Capable.** Thirty percent of the total number of parking spaces on a building site, provided for all types of parking facilities, shall be electric vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE. Electrical load calculations shall demonstrate that the electrical panel service capacity and electrical system, including any on-site distribution transformer(s), have sufficient capacity to simultaneously charge all EVs at all required EV spaces. An automatic load management system (ALMS) may be used to simultaneously charge all EVs at all required EV spaces at a minimum of 40 amperes.

The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as “EV CAPABLE” in accordance with the *California Electrical Code*.

**EXCEPTION:** When EV chargers (Level 2 EVSE) are installed in a number greater than five (5) percent of parking spaces required by Los Angeles Municipal Code Subsection 99.04.106.4.2.2, Item 3, the number of EV capable spaces required may be reduced by a number equal to the number of EV chargers installed over the five (5) percent required.

**NOTES:**

- a. Construction documents are intended to demonstrate the project’s capability and capacity for facilitating future EV charging and shall show locations of proposed EV spaces.
- b. There is no requirement for EV spaces to be constructed or available until receptacles for EV charging or EV chargers are installed for use.

2. **EV Ready.** Twenty-five percent of the total number of parking spaces shall be equipped with low power Level 2 EV charging receptacles. For multifamily dwelling parking facilities, no more than one receptacle is required per dwelling unit when more than one parking space is provided for use by a single dwelling unit. The number of EV Ready parking spaces may be counted toward the total number of EV Capable parking spaces required for the building per Los Angeles Municipal Code Subsection 99.04.106.4.2.2, Item 1.

**EXCEPTION:** Areas of parking facilities served by parking lifts.

3. **EV Chargers.** Ten percent of the total number of parking spaces shall be equipped with Level 2 EVSE. Where common use parking is provided, at least one EV charger shall be located in the common use parking area and shall be available for use by all residents or guests.

When low power Level 2 EV charging receptacles or Level 2 EVSE are installed beyond the minimum required, an automatic load management system (ALMS) may be used to reduce the maximum required electrical capacity to each space served by the ALMS. The electrical system and any on-site distribution transformers shall have sufficient capacity to deliver at least 3.3 kW simultaneously to each EV charging station (EVCS) served by the ALMS. The branch circuit shall have a minimum capacity of 40 amperes and installed EVSE shall have a capacity of not less than 30 amperes. ALMS shall not be used to reduce the minimum required electrical capacity to the required EV capable spaces.

Sec. 210. A new Subsection 99.04.106.4.2.2.1 is added to Section 99.04.106 of Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code to read as follows:

**99.04.106.4.2.2.1. Electric Vehicle Charging Stations (EVCS).** Electric vehicle charging stations required by Los Angeles Municipal Code Subsection 99.04.106.4.2.1, Item 3, or LAMC Subsection 99.04.106.4.2.2, Item 3, shall comply with Los Angeles Municipal Code Subsection 99.04.106.4.2.3.

**EXCEPTION:** Electric vehicle charging stations serving public accommodations, public housing, motels, and hotels shall not be required to comply with this section. See *California Building Code*, Chapter 11B, for applicable requirements.

Sec. 211. A new Subsection 99.04.106.4.2.2.1.1 is added to Section 99.04.106, Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code to read as follows:

**99.04.106.4.2.2.1.1. Location.** EVCS shall comply with at least one of the following options:

1. The charging space shall be located adjacent to an accessible parking space meeting the requirements of the *California Building Code*, Chapter 11A, to allow use of the EV charger from the accessible parking space.

2. The charging space shall be located on an accessible route, as defined in the *California Building Code*, Chapter 2, to the building.

**EXCEPTION:** Electric vehicle charging stations designed and constructed in compliance with the *California Building Code*, Chapter 11B, are not required to comply with Los Angeles Municipal Code Subsections 99.04.106.4.2.3.1.1 and 99.04.106.4.2.3.1.2, Item 3.

Sec. 212. Subsection 99.04.106.4.2.2.1.2 is added to Section 99.04.106 of Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code to read as follows:

**99.04.106.4.2.2.1.2. Electric Vehicle Charging Stations (EVCS) Dimensions.** The charging spaces shall be designed to comply with the following:

1. The minimum length of each EV space shall be 18 feet (5486 mm).
2. The minimum width of each EV space shall be 9 feet (2743 mm).
3. One in every 25 charging spaces, but not less than one, shall also have an 8-foot (2438 mm) wide minimum aisle. A 5-foot (1524 mm) wide minimum aisle shall be permitted provided the minimum width of the EV space is 12 feet (3658 mm).
  - a. Surface slope for this EV space and the aisle shall not exceed 1 unit vertical in 48 units horizontal (2.083 percent slope) in any direction.

Sec. 213. Subsection 99.04.106.4.2.2.1.3 is added to Section 99.04.106 of Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code to read as follows:

**99.04.106.4.2.2.1.3. Accessible EV Spaces.** In addition to the requirements in Sections 4.106.4.2.3.1 and 4.106.4.2.3.2, all EVSE, when installed, shall comply with the accessibility provisions for EV chargers in the *California Building Code*, Chapter 11B. EV ready spaces and EVCS in multifamily developments shall comply with *California Building Code*, Chapter 11A, Section 1109A.

Sec. 214. Subsection 99.04.106.4.2.3 is added to Section 99.04.106 of Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code to read as follows:

**99.04.106.4.2.3. EV Space Requirements.**

1. **Single EV Space Required.** Install a listed raceway capable of accommodating a 208/240-volt dedicated branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or enclosure in close proximity to the location or the proposed location of the EV space. Construction documents shall identify the raceway termination point, receptacle or charger location, as applicable. The service panel and/or subpanel shall have a 40-ampere minimum dedicated branch circuit for EV chargers or a 20-ampere minimum dedicated branch circuit for EV Ready parking spaces, including branch circuit overcurrent protective device installed, or space(s) reserved to permit installation of a branch circuit overcurrent protective device.

**EXCEPTION:** A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the

location or the proposed location of the EV space, at the time of original construction in accordance with the *California Electrical Code*.

**2. Multiple EV Spaces Required.** Construction documents shall indicate the raceway termination point and the location of installed or future EV spaces, receptacles, or EV chargers. Construction documents shall also provide information on amperage of installed or future receptacles or EVSE, raceway method(s), wiring schematics and electrical load calculations. Plan design shall be based upon a 40-ampere minimum branch circuit. Required raceways and related components that are planned to be installed underground, enclosed, inaccessible, or in concealed areas and spaces shall be installed at the time of original construction.

**EXCEPTION:** A raceway is not required if a minimum 40-ampere 208/240-volt dedicated EV branch circuit is installed in close proximity to the location or the proposed location of the EV space at the time of original construction in accordance with the *California Electrical Code*.

Sec. 215. Subsection 99.04.106.4.2.4 is added to Section 99.04.106 of Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code to read as follows:

**99.04.106.4.2.4. Identification.** The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as “EV CAPABLE” in accordance with the *California Electrical Code*.

Sec. 216. A new Subsection 99.04.106.4.2.5 is added to Section 99.04.106 of Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code to read as follows:

**99.04.106.4.2.5. Electric Vehicle Ready Space Signage.** Electric vehicle ready spaces shall be identified by signage or pavement markings, in compliance with Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

Sec. 217. Subsection 99.04.106.4.3.1 of Section 99.04.106 Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code MC is deleted in its entirety.

Sec. 218. Subsection 99.04.106.4.4 of Section 99.04.106 Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 219. Subsection 99.04.303.3 of Section 99.04.303 Division 4, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 220. Subsection 99.04.504.6 of Section 99.04.504, Division 2, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

**99.04.504.6. Filters.** Mechanically ventilated buildings shall meet the air filtration requirements of the California Energy Code.

Sec. 221. Section 99.05.100 of Division 5, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 5 of the California Green Building Standards Code is adopted by reference except as provided in this article.

Sec. 222. Subsection 99.05.106.5.3 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. Electric Vehicle (EV) Charging.** Construction to provide electric vehicle infrastructure and facilitate electric vehicle charging shall comply with Section 99.05.106 and shall be provided in accordance with regulations in the *California Building Code* and the *California Electrical Code*. Calculations for spaces shall be rounded up to the nearest whole number.

**EXCEPTIONS:**

1. On a case-by-case basis where the local enforcing agency has determined compliance with this Section is not feasible based upon one of the following conditions:

- a. Where there is no local utility power supply.
- b. Where the local utility is unable to supply adequate power.
- c. Where there is evidence suitable to the local enforcement agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Los Angeles Municipal Code Subsection 99.05.106.5.3, may adversely impact the construction cost of the project.

2. Parking spaces accessible only by automated mechanical car parking systems are not required to comply with this code Section.

Sec. 223. 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.**

Thirty percent of the total number of parking spaces on a building site, but in no case less than one, provided for all types of parking facilities, shall be electric vehicle



charging spaces (EV spaces) capable of supporting future Level 2 EVSE and shall meet the following requirements:

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. 224. 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 in its entirety to read as follows:

**99.05.106.5.3.2. Electric Vehicle Charging Stations (EVCS).** EV capable spaces shall be provided with EVSE to create EVCS in twenty percent of the total number of actual parking spaces. The number of EVCS shall count toward the total number of required EV capable spaces as required for the building per the Los Angeles Municipal Code Subsection 99.05.106.5.3.1. The EVCS required by this Section may be provided with EVSE in any combination of Level 2 and Direct Current Fast Charging (DCFC), except that at least one Level 2 EVSE shall be provided.

One EV charger with multiple connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by the Los Angeles Municipal Code Subsection 99.05.106.5.3.1 for each EV capable space is accumulatively supplied to the EV charger.

The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

Sec. 225. 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 amended in its entirety to read as follows:

**99.05.106.5.3.3. Use of Automatic Load Management Systems (ALMS).** ALMS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Los Angeles Municipal Code Subsection 99.05.106.5.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

Sec. 226. A new Subsection 99.05.106.5.3.4 is added to Section 99.05.106, Division 5, Article 9, Chapter IX of the Los Angeles Municipal Code to read as follows:

**99.05.106.5.3.4. Accessible EVCS.** When EVSE is installed, accessible EVCS shall be provided in accordance with the *California Building Code Chapter 11B Sec. 11B-228.3*.

**NOTE:** For EVCS signs, refer to Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

Sec. 227. Subsection 99.06.601.1 of Section 99.06.601, Division 6, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Chapter 6 of the California Green Building Standards Code is adopted in its entirety.

Sec. 228. Section 99.07.100 of Division 7, Article 9, Chapter IX of the Los Angeles Municipal Code Los Angeles Municipal Code is amended to read as follows:

Chapter 7 of the California Green Building Standards Code is adopted in its entirety.

Sec. 229. The first sentence of Section 99.08.100 of Division 8, Article 9, Chapter IX of the Los Angeles Municipal Code is hereby amended to read as follows.

Chapter 8 of the California Green Building Code is not adopted, and, in lieu, Division 8, Article 9, Chapter IX of the Los Angeles Municipal Code is added as provided in this article.

Sec. 230. Section 99.11.101 of 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, A4.106.7, Table A4.106.8.3.1, Table A4.106.8.3.2, A4.305.2, A4.403.1, A4.404.1, A4.405.2, A4.405.4, A4.407.1, A4.407.3, A4.407.4, A4.407.5, A4.407.7, A4.602, and Table A4.106.5.1(1) 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. 231. Subsection A4.106.8.2 of Section 99.11.101, Division 11, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 232. Subsection A4.106.8.3 of Section 99.11.101 Division 11, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 233. Section 99.11.602 of Division 11, Article 9, Chapter IX of the Los Angeles Municipal Code Los Angeles Municipal Code MC is amended to read as follows:

Section A4.602 of the CALGreen Code is adopted with amendments to read as follows:

Sec. 234. Table A4.602 following Section 99.11.602 of Division 11, Article 9, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

**TABLE A4.602  
RESIDENTIAL OCCUPANCIES APPLICATION CHECKLIST**

FEATURE OR MEASURE	LEVELS APPLICANT TO SELECT ELECTIVE MEASURES			VERIFICATIONS ENFORCING AGENCY TO SPECIFY VERIFICATION METHOD		
	Mandatory	Prerequisites and electives <sup>1</sup>		Enforcing Agency  All	Installer or Designer  All	Third Party  All
		Tier 1	Tier 2			
PLANNING AND DESIGN						
Site Selection						

<b>A4.103.1</b> 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.						
<b>A4.103.2</b> 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.						
<b>Site Preservation</b>						
<b>A4.104.1</b> 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.						
<b>Deconstruction and Reuse of Existing Materials</b>						
<b>A4.105.2</b> 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						
<b>Site Development</b>						
<b>4.106.2</b> A plan is developed and implemented to manage storm water drainage during construction.	X					
<b>4.106.3</b> Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.	X					
<b>4.106.4.1</b> 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					
<b>4.106.4.2</b> Provide capability for electric vehicle charging for multifamily dwellings and hotels/motels	X					

in accordance with Sections 4.106.4.2.1 or 4.106.4.2.2 as applicable.						
<b>4.106.4.3</b> 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					
<b>4.106.5</b> Roofing materials shall have a minimum 3-year aged solar reflectance and thermal emittance or a minimum 3-year aged Solar Reflectance Index (SRI) equal to or greater than the values specified in LAMC Table 4.106.5.	X					
<b>4.106.7</b> Reduce nonroof heat islands for 25% of sidewalks, patios, driveways or other paved areas by using one or more of the methods listed.	X					
<b>A4.106.1</b> Reserved.						
<b>A4.106.2.1</b> Soil analysis is performed by a licensed design professional and the findings utilized in the structural design of the building.						
<b>A4.106.2.2</b> Soil disturbance and erosion are minimized by at least one of the following:						
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.						
<b>A4.106.2.3</b> 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.		X <sup>2</sup>	X <sup>2</sup>			
Tier 2. The construction area shall be identified and delineated by fencing or flagging to limit construction activity to the construction area.			X <sup>2</sup>			
<b>A4.106.3</b> 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.						
<b>A4.106.4</b> 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.		X <sup>2</sup>				
Tier 2. Not less than 30% of the total parking, walking or patio surfaces shall be permeable.			X <sup>2</sup>			
<b>A4.106.5</b> 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 LAMCTables 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.						
<b>Low-rise Residential</b>						
Tier 1 roof covering shall meet or exceed the values contained in LAMC Table A4.106.5.1(1).		X <sup>2</sup>				
Tier 2 roof covering shall meet or exceed the values contained in LAMC Table A4.106.5.1(2).			X <sup>2</sup>			
<b>High-Rise Residential, Hotels and Motels</b>						



Tier 1 roof covering shall meet or exceed the values contained in LAMC Table A4.106.5.1(3).		X <sup>2</sup>				
Tier 2 roof covering shall meet or exceed the values contained in LAMC Table A4.106.5.1(4).			X <sup>2</sup>			
<b>A4.106.6</b> 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.						
<b>A4.106.7</b> Reduce nonroof heat islands for 50% of sidewalks, patios, driveways or other paved areas by using one or more of the methods listed.						
<b>A4.106.8.1</b> 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 <sup>2</sup>	X <sup>2</sup>			
<b>A4.106.8.2</b> Provide capability for future electric vehicle charging in new multifamily dwellings, hotels and motels, as specified. <b>Tier 1</b> 35 percent of the total number of parking		X <sup>2</sup>	X <sup>2</sup>			

<p>spaces shall be electric vehicle (EV ready) with low power Level 2 EV charging receptacles. For projects with 20 or more dwelling units, sleeping units or guest rooms, 10 percent of the total number of parking spaces shall be equipped with Level 2 EVSE</p> <p><b>Tier 2.</b> 40 percent of the total parking spaces shall be electric vehicle (EV ready) with low power Level 2 EV charging receptacles. For projects with 20 or more dwelling units, sleeping units or guest rooms, 15 percent of the total number of parking spaces shall be equipped with Level 2 EVSE.</p> <p>See LAMC Subdivision 99.04.106.4.2 for additional requirements related to EVCS for multifamily dwellings and "R" occupancies other than one- and two-family dwellings.</p>						
<p><b>A4.106.9</b> 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.</p>						

1. Provide short-term bicycle parking, per CALGreen Section A4.106.9.1.						
2. Provide long-term bicycle parking for multi-family buildings, per CALGreen Section A4.106.9.2..						
3. Provide long-term bicycle parking for hotel and motel buildings, per CALGreen Section A4.106.9.3.						
<b>A4.106.10 [HR]</b> Outdoor lighting systems shall be designed and installed to comply with:						
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.						
<b>Innovative Concepts and Local Environmental Conditions</b>						
<b>A4.108.1</b> Items in this Sec. are necessary to address innovative concepts or local environmental conditions.						

Item 1						
Item 2						
Item 3						
<b>ENERGY EFFICIENCY</b>						
<b>General</b>						
<b>4.201.1</b> Building meets or exceeds the requirements of the <i>California Building Energy Efficiency Standards</i> <sup>3</sup> .	X	X <sup>2</sup>	X <sup>2</sup>			
<b>Performance Approach for Newly Constructed Buildings</b>						
<b>A4.203.1.1 Hourly Source Energy Rating (EDR1).</b> EDR1 ratings for building design shall be computed by Energy Compliant software and shall reduce the EDR1 required by the software by the compliance margins specified in Table A4.203.1.1.		X <sup>2</sup>	X <sup>2</sup>			
<b>A4.203.1.2 Prerequisite options.</b> 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.  • Roof Deck Insulation or Ducts in Conditioned Space.  • High-performance Walls.  • Compact Hot Water Distribution System.		X <sup>2</sup>	X <sup>2</sup>			

<ul style="list-style-type: none"> <li>• Drain Water Heat Recovery.</li> <li>• High Performance Vertical Fenestration.</li> <li>• Heat Pump Water Heater Demand Management.</li> <li>• Battery Storage System Controls.</li> <li>• Heat Pump Space and Water Heating.</li> </ul>						
<b>A4.203.1.3 Consultation with local electric service provider.</b> 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 <sup>2</sup>				
<b>Performance Approach for Additions</b>						
<b>A4.204.1.1</b> 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		X <sup>2</sup>				

added or modified, the Energy Budget is no greater than 90% of the Title 24, Part 6, Energy Budget for the Standard Design Building.						
<b>A4.204.1.2</b> 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 <sup>2</sup>			
<b>Renewable Energy</b>						
<b>4.211.4</b> Buildings shall comply with the following: 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 Sec. 110.10(b) through 110.10(d) of the <i>California Energy Code</i> (Title 24, Part 6).	X					
<b>WATER EFFICIENCY AND CONSERVATION</b>						
<b>Indoor Water Use</b>						
<b>4.303.1</b> Plumbing fixtures (water closets and urinals)	X					

and fittings (faucets and showerheads) installed in residential buildings shall comply with the prescriptive requirements of CALGreen Sections 4.303.1.1 through 4.303.1.4.4.						
<b>4.303.2</b> Plumbing fixtures and fittings required in CALGreen Section 4.303.1 shall be installed in accordance with the <i>California Plumbing Code</i> , and shall meet the applicable referenced standards.	X					
<b>4.303.3</b> Multifamily dwellings not exceeding three stories and containing 50 units or less shall install a separate meter or sub-meter within each individual dwelling unit and within common areas, such as recreation and laundry rooms.	X					
<b>4.303.4</b> A 20% reduction in the overall use of potable water within the building shall be provided, as specified.	X					
<b>A4.303.1</b> 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. <b>Note:</b> Where complying faucets						

are available, aerators or other means may be used to achieve reduction.						
<b>A4.303.2</b> 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> .						
<b>A4.303.3</b> Install at least one qualified ENERGY STAR dishwasher or clothes washer.						
<b>A4.303.4</b> Nonwater supplied urinals or waterless toilets are installed.						
<b>A4.303.5</b> 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.						
<b>Outdoor Water Use</b>						
<b>4.304.1</b> 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:	X					



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.						
<b>4.304.3</b> A landscape water meter provided by the City of Los Angeles Department of Water and Power shall be installed for landscape irrigation.	X					
<b>4.304.4</b> Locks shall be installed on all publicly accessible exterior faucets and hose bibs.	X					
<b>4.304.5</b> 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					
<b>A4.304.1</b> 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> .						

<p><b>A4.304.2</b> 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:</p> <ol style="list-style-type: none"> <li>1. Use of captured rainwater.</li> <li>2. Use of recycled water.</li> <li>3. Water treated for irrigation purposes and conveyed by a water district or public entity.</li> <li>4. Use of graywater.</li> </ol>						
<p><b>A4.304.3</b> For new water service connections, landscaped irrigated areas less than 5,000 square feet shall be provided with separate submeters or metering devices for outdoor potable water use.</p>						
<p><b>WATER REUSE SYSTEMS</b></p>						
<p><b>4.305.1</b> 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.</p>	X					

<b>4.305.2</b> 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					
<b>4.305.3</b> Cooling towers shall comply with LAMC Sections 99.04.305.3.1 or 99.04.305.3.2.	X					
<b>4.305.4</b> Where groundwater is being extracted and discharged, a system for onsite reuse of the groundwater shall be developed and constructed.	X					
<b>A4.305.1</b> 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.						
<b>A4.305.2</b> Recycled water piping is installed.						
<b>A4.305.3</b> Recycled water is used for landscape irrigation.						
<b>Innovative Concepts and Local Environmental Conditions</b>						
<b>A4.306.1</b> Items in this Section are necessary to address innovative concepts or local environmental conditions.						
Item 1						
Item 2						
Item 3						

<b>MATERIAL CONSERVATION AND RESOURCE EFFICIENCY</b>						
<b>Foundation Systems</b>						
<b>A4.403.2</b> Cement use in foundation mix design is reduced.						
Tier 1. Not less than a 20% reduction in cement use.		X <sup>2</sup>				
Tier 2. Not less than a 25% reduction in cement use.			X <sup>2</sup>			
<b>Efficient Framing Techniques</b>						
<b>A4.404.1</b> Beams and headers and trimmers are the minimum size to adequately support the load.						
<b>A4.404.2</b> Building dimensions and layouts are designed to minimize waste.						
<b>A4.404.3</b> Use premanufactured building systems to eliminate solid sawn lumber whenever possible.						
<b>A4.404.4</b> Material lists are included in the plans which specify material quantity and provide direction for on-site cuts.						
<b>Material Sources</b>						
<b>A4.405.1</b> 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.						
<b>A4.405.2</b> Floors that do not require additional coverings are used including but not limited to stained, natural or stamped concrete floors.						
<b>A4.405.3</b> Postconsumer or preconsumer recycled content value (RCV) materials are used on the project.						
Tier 1. Not less than a 10% recycled content value.		X <sup>2</sup>				
Tier 2. Not less than a 15% recycled content value.			X <sup>2</sup>			
<b>A4.405.4</b> Renewable source building products are used.						
<b>Enhanced Durability and Reduced Maintenance</b>						
<b>4.406.1</b> 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					
<b>Water Resistance and Moisture Management</b>						
<b>4.407.3</b> Provide flashing details on the building plans and comply with accepted industry standards or manufacturer's instructions.	X					
<b>4.407.4</b> Protect building materials delivered to the	X					

construction site from rain and other sources of moisture.						
<b>A4.407.1</b> Install foundation and landscape drains.						
<b>A4.407.2</b> 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.						
<b>A4.407.6</b> Exterior doors to the dwelling are protected to prevent water intrusion.						
<b>A4.407.7</b> A permanent overhang or awning at least 2 feet in depth is provided.						
<b>Construction Waste Reduction, Disposal and Recycling</b>						
<b>4.408.1</b> Comply with Section <u>66.32</u> et seq. of the Los Angeles Municipal Code.	X					
<b>A4.408.1</b> Construction waste generated at the site is diverted to recycle or salvage in compliance with one of the following:						
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		X <sup>2</sup>				

facility average diversion rate. Verification of diversion rates shall meet minimum certification eligibility guidelines, acceptable to the local enforcing agency.						
2. Tier 2 at least a 75% reduction with a third-party verification.			X <sup>2</sup>			
<b>Exception:</b> Equivalent waste reduction methods are developed by working with local agencies.						
<b>Building Maintenance and Operation</b>						
<b>4.410.1</b> An operation and maintenance manual shall be provided to the building occupant or owner.	X					
<b>4.410.2</b> Where 5 or more multifamily 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					

<b>Innovative Concepts and Local Environmental Conditions</b>						
<b>A4.411.1</b> Items in this Section are necessary to address innovative concepts or local environmental conditions.						
Item 1						
Item 2						
Item 3						
<b>ENVIRONMENTAL QUALITY</b>						
<b>Fireplaces</b>						
<b>4.503.1</b> 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					
<b>Pollutant Control</b>						
<b>4.504.1</b> Duct openings and other related air distribution component openings shall be covered during construction.	X					
<b>4.504.2.1</b> Adhesives, sealants and caulks shall be	X					



compliant with VOC and other toxic compound limits						
<b>4.504.2.2</b> Paints, stains and other coatings shall be compliant with VOC limits.	X					
<b>4.504.2.3</b> Aerosol paints and coatings shall be compliant with product weighted MIR limits for ROC and other toxic compounds.	X					
<b>4.504.2.4</b> Documentation shall be provided to verify that compliant VOC limit finish materials have been used.	X					
<b>4.504.3</b> Carpet and carpet systems shall be compliant with VOC limits.	X					
<b>4.504.4</b> 80% of floor area receiving resilient flooring shall comply with specified VOC criteria.						
<b>4.504.5</b> Particleboard, medium density fiberboard (MDF) and hardwood plywood used in interior finish systems shall comply with low formaldehyde emission standards.	X					
<b>A4.504.1</b> Use composite wood products made with either California Air Resources Board approved no-added formaldehyde (NAF) resins or ultra-low emitting formaldehyde (ULEF) resins.						

<b>A4.504.2</b> Install VOC compliant resilient flooring systems.						
Tier 1. At least 90% of the resilient flooring installed shall comply.		X <sup>2</sup>				
Tier 2. At least 100% of the resilient flooring installed shall comply.			X <sup>2</sup>			
<b>A4.504.3</b> Thermal insulation installed in the building shall meet the following requirements:						
Tier 1. Install thermal insulation in compliance with VOC limits..		X <sup>2</sup>				
Tier 2. Install insulation which contains No-Added Formaldehyde (NAF) and is in compliance with Tier 1.			X <sup>2</sup>			
<b>Interior Moisture Control</b>						
<b>4.505.2</b> Vapor retarder and capillary break is installed at slab-on-grade foundations.	X					
<b>4.505.3</b> Moisture content of building materials used in wall and floor framing is checked before enclosure.	X					
<b>Indoor Air Quality and Exhaust</b>						
<b>4.506.1</b> 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.						

<b>A4.506.2 [HR]</b> Provide filters on return air openings rated MERV 6 or higher during construction when it is necessary to use HVAC equipment.						
<b>A4.506.3</b> Direct-vent appliances shall be used when equipment is located in conditioned space; or the equipment must be installed in an isolated mechanical room.						
<b>Environmental Comfort</b>						
<b>4.507.2.</b> Duct systems are sized, designed, and equipment is selected using the following methods:	X					
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.						
<b>Outdoor Air Quality</b> Reserved						
<b>Innovative Concepts and Local Environmental Conditions</b>						
<b>A4.509.1</b> Items in this Section are necessary to address innovative						

concepts or local environmental conditions.						
Item 1						
Item 2						
Item 3						
<b>Installer and Special Inspector Qualifications</b>						
<b>Qualifications</b>						
<b>702.1</b> HVAC system installers are trained and certified in the proper installation of HVAC systems.	X					
<b>702.2</b> Special inspectors employed by the enforcing agency must be qualified and able to demonstrate competence in the discipline they are inspecting.	X					
<b>Verifications</b>						
<b>703.1</b> 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. 235. Section 99.12.101 of 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, A5.601, 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. 236. Subsection A5.106.5.1 of Section 99.12.101, Division 12, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 237. Subsection A5.106.5.1.1 of Section 99.12.101, Division 12, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 238. Table A5.106.5.1.1 following Subsection A5.106.5.1.1 of Section 99.12.101, Division 12, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 239. Subsection A5.106.5.3.1 of Section 99.12.101, Division 12, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 240. Subsection A5.106.5.3.2 of Section 99.12.101, Division 12, Article 9, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

Sec. 241. Section 99.12.508, Division 12, Article 9, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

Section A5.602 of the CALGreen Code is adopted with amendments to read as follows:

Sec. 242. Table A5.602 following Section 99.12.508, Division 12, Article 9, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

#### **TABLE A5.602**

#### **CALGREEN VERIFICATION GUIDELINES MANDATORY MEASURES CHECKLIST**

**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

<b>CHAPTER 5 DIVISIONS</b>		<b>SECTION TITLE</b>	<b>CODE SECTION</b>	<b>Y</b>	<b>N/A</b>	<b>O</b>	<b>PLAN SHEET, SPEC, OR ATTACH REFERENCE</b>
(continued) <b>DIVISION 5.3 Water Efficiency and Conservation</b>	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				
<b>DIVISION 5.4 Material Conservation and Resource Efficiency (continued)</b>	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	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				
<b>DIVISION 5.5 Environmental Quality</b>	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 <sub>2</sub> ) monitoring	5.506.2				
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.

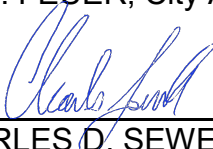
Signature:	
Company:	Date:
Address:	License:
City/State/Zip:	Phone:

Sec. 243. **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, 2023. 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. 244. 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

MICHAEL N. FEUER, City Attorney

By  \_\_\_\_\_  
CHARLES D. SEWELL  
Deputy City Attorney

Date 11/23/2022

File No. 22-1226

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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 \_\_\_\_\_