

Sec. 763. The last sentence of the second unnumbered paragraph of Subsection 91.9201.1 of the Los Angeles Municipal Code is amended to read as follows:

Fallen buildings have collapsed, caught fire or needed extensive repairs to restore occupancy.

Sec. 764. Subsection 91.9201.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9201.2. Scope. The provisions of this division may be applied to light wood frame Group R Occupancies with no more than four dwelling units when they contain one or more of the structural weaknesses specified in LAMC Subsection 91.9203.1.

The provisions of this division do not apply to the buildings or building elements, listed below. These buildings or elements require analysis by an engineer or architect in accordance with Division 16, Article 1, Chapter IX of the LAMC or other approved standards to determine appropriate strengthening.

1. Buildings with a lateral force resisting system using poles or columns embedded in the ground.
2. Cripple walls that exceed 4 feet (1219.2 mm) in height.
3. Buildings exceeding three stories in height and any three-story building with cripple wall studs exceeding 14 inches (355.6 mm) in height.
4. Buildings, or portions of buildings, constructed on a concrete slab on grade or constructed on or into a slope steeper than 3 horizontal to 1 vertical.
5. Buildings where the Superintendent of Building determines that conditions exist that are beyond the scope of the requirements of this division.

The standard details approved by the Superintendent of Building and these prescriptive provisions are not intended to be the only acceptable strengthening methods permitted. Alternate details and methods shall be permitted when approved by the Superintendent of Building. Qualified Historical Buildings shall be permitted to use alternate building regulations of LAMC Section 91.8119 in order to preserve their original or restored architectural elements and features.

Sec. 765. Section 91.9202 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 91.9202. DEFINITIONS.

For the purpose of this division, in addition to the applicable definitions, symbols and notations in this Code, certain additional terms are defined as follows:

ADHESIVE ANCHOR. A fastener placed in hardened concrete or masonry that derives its holding strength from a chemical adhesive compound placed between the wall of the hole and the embedded portion of the anchor.

ANCHOR SIDE PLATE. A metal plate or plates used to connect a sill plate to the side of a concrete or masonry stem wall.

CRIPPLE WALL. A wood-framed stud wall extending from the top of the foundation to the underside of the lowest floor framing.

EXPANSION ANCHOR. A mechanical fastener placed in hardened concrete or assembled masonry, designed to expand in a self-drilled or pre-drilled hole of a specified size and engage the sides of the hole in one or more locations to develop shear and/or tension resistance to applied loads without grout, adhesive or drypack.

PERIMETER FOUNDATION. A foundation system which is located under the exterior walls of a building.

SNUG-TIGHT. As tight as an individual can torque a nut on a bolt by hand using a wrench with a 10-inch (254 mm) long handle and the point at which the full surface of the plate washer is contacting the wood member and slightly indents the wood surface.

UNREINFORCED MASONRY. Includes adobe, burned clay, concrete or sand-lime brick, hollow clay or concrete block, hollow clay tile, rubble, cut stone and unburned clay masonry walls in which the area of reinforcement is less than 50 percent of the minimum steel ratios required for reinforced masonry.

Sec. 766. Subdivisions 5 and 6 of Subsection 91.9203.1 of the Los Angeles Municipal Code are amended to read as follows:

5. Sill plates which are not connected to the foundation or are connected with less than what is required by LAMC Subsection 91.9204.3.1.

6. Cripple walls that are not braced in accordance with the requirements of LAMC Subsection 91.9204.4 and LAMC Table 92-A.

Sec. 767. The third sentence of Subsection 91.9204.1.1 of the Los Angeles Municipal Code is amended to read as follows:

All prescribed nailing in this division shall be common nails.

Sec. 768. Subsection 91.9204.1.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9204.1.3. Floor Joists Not Parallel to Foundations. Floor joists framed perpendicular or at an angle to perimeter foundations shall be restrained by either a nominal 2 inch (50.8 mm) wide continuous rim joist or a nominal 2 inch (50.8 mm) wide full depth blocking between alternate joists in one- and two-story buildings, and between each joist in three-story buildings. Blocking for multistory buildings must occur at each joist space above a braced cripple wall panel.

Existing connections at the top edge of an existing rim joist or blocking need not be verified. The bottom edge connection to either the foundation sill plate or top plate of a cripple wall shall be verified unless a supplemental connection is provided. The minimum existing bottom edge connection shall consist of 8d toe nails spaced 6 inches (152.4 mm) apart for a continuous rim joist or three 8d toe nails per block. When this minimum bottom edge connection is not present, or is not verified, a supplemental connection shall be provided.

When an existing continuous rim joist or the minimum existing blocking does not occur, new 1-1/8 inch (28.57 mm) wood structural panel blocking installed tightly between floor joists and nailed with 10d common nails at 4 inches (101.6 mm) on center to the sill or wall top plate shall be provided at the inside face of the cripple wall. In lieu of 1 1/8 inch (28.57 mm) wood structural panel blocking, tight fitting, full or near full depth 2 inches (50.8 mm) nominal width lumber blocking shall be allowed provided it does not split during installation. New blocking is not required where it will interfere with vents or plumbing which penetrates the wall.

Sec. 769. The third sentence of Subsection 91.9204.1.4 of the Los Angeles Municipal Code is amended to read as follows:

The minimum bottom edge connection shall be 8d toe nails spaced 6 inches (152.4 mm) apart.

Sec. 770. The second sentence of Subsection 91.9204.1.5 of the Los Angeles Municipal Code is amended to read as follows:

Framing anchors of minimum 18 gauge steel and 12 approved fasteners may be considered to meet this requirement when spaced 32 inches (812.8 mm) on center for one story buildings, 24 inches (609.6 mm) on center for two story buildings and 16 inches (406.4 mm) on center for three story buildings.

Sec. 771. Subdivisions 1, 2, and 3 of Subsection 91.9204.1.6 of the Los Angeles Municipal Code are amended to read as follows:

1. 3 inch by 6 inch (76.2 mm by 152.4 mm) by 0.036 inch thick (0.91 mm) galvanized steel and nailed with six 8d nails at each end.
2. 1 1/2 inches (38.1 mm) by 12 inch (304.8 mm) by 0.058 inches (1.47 mm) galvanized steel nailed with six 16d nails at each end.
3. 2 inch by 4 inch by 12 inch (50.8 mm x 101.6 mm x 304.8 mm) wood blocking nailed with six 16d nails at each end.

Sec. 772. The first sentence of Subsection 91.9204.2.1 of the Los Angeles Municipal Code is amended to read as follows:

New perimeter foundations shall be provided for structures with the structural weaknesses noted in Subdivisions 1 and 2 of LAMC Subsection 91.9203.1.

Sec. 773. The first sentence of Subsection 91.9204.3.1 of the Los Angeles Municipal Code is amended to read as follows:

When the building has an existing continuous perimeter foundation, all perimeter wall sill plates shall be connected to the foundation in accordance with LAMC Table 92-A and this section.

Sec. 774. The third unnumbered paragraph of Subsection 91.9204.3.1 of the Los Angeles Municipal Code is amended to read as follows:

Anchor side plates shall be permitted when conditions prevent anchor installation vertically through the sill plate. Anchor side plates shall be spaced as required for adhesive or expansion anchors but only one anchor side plate is required on individual pieces of sill plate less than 32 inches (812.8 mm) in length. Wood structural panel shims shall be used on sill plates for single plate anchor side plates when the foundation stem wall is from 3/16 inch (4.8 mm) to 3/4 inch (19.05 mm) wider than the sill plate. The shim length shall extend a minimum of 2 inches (50.8 mm) past each end of the anchor side plate. Two plate anchor side plates shall be used when the total thickness of the required shim exceeds 3/4 inch (19.05 mm).

Sec. 775. Subsection 91.9204.3.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9204.3.2. Placement of Anchors. Anchors shall be placed within 12 inches (304.8 mm), but not less than 9 inches (228.6 mm), from the ends of sill plates and shall be placed near the center of the stud space closest to the required spacing. New sill plates may be installed in pieces when necessary because of existing conditions. The minimum length of new sill plate pieces shall be 30 inches (762 mm).

EXCEPTION: Where physical obstructions such as fireplaces, plumbing or heating ducts interfere with the placement of an anchor, the anchor shall be placed as close to the obstruction as possible, but not less than 9 inches (228.6 mm) from the end of the plate. Center-to-center spacing of the anchors shall be reduced as necessary to provide the minimum total number of anchors required based on the full length of the wall. Center-to-center spacing shall not be less than 12 inches (304.8 mm).

Sec. 776. Subsection 91.9204.3.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9204.3.3. New Perimeter Foundations. Sill plates for new perimeter foundations shall be anchored as required by CBC Chapter 19.

Sec. 777. Subsection 91.9204.4.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9204.4.1. General. Exterior cripple walls, not exceeding 4 feet (1219.2 mm) in height shall use the prescriptive bracing method listed below. Cripple walls more than 4 feet (1219.2 mm) in height require analysis by an engineer or architect in accordance with Division 16, Article 1, Chapter IX of the LAMC.

Sec. 778. Subsection 91.9204.4.1.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9204.4.1.1. Sheathing Requirements. Wood structural panel sheathing shall not be less than 15/32 inch (12 mm) thick. When used, plywood panels shall be constructed of five or more plies. All wood structural panels shall be nailed with 8d common nails spaced 4 inches (101.6 mm) on center at all edges and at 12 inches (304.6 mm) on center at each intermediate support with not less than two nails for each stud. Nails shall be driven so that their head or crown is flush with the surface of the sheathing and shall penetrate the supporting member a minimum of 1-1/2 inch (38.1 mm). When a nail fractures the surface, it shall be left in place and not counted as part of the required nailing. A new 8d nail shall be located within 2 inches (50.8 mm) of the discounted nail and hand driven flush with the sheathing surface.

EXCEPTION: No. 6 × 1-1/2 inch (152.4 mm x 38.1 mm) wood screws may be used for sheathing nailing when bracing materials are installed on the interior face of studs and cement plaster or other brittle finishes are on the exterior of the sheathed wall.

All horizontal joints must occur over nominal 2 inch by 4 inch (50.8 mm by 101.6 mm) blocking installed with the nominal 4 inch (101.6 mm) dimension against the face of the plywood. All vertical joints must occur over studs. Vertical joints at adjoining pieces of wood structural panels shall be centered on existing studs such that there is a minimum 1/8 inch (3.17 mm) between the panels. Nails shall be placed a minimum of

1/2 inch (12.7 mm) from the edges of the existing stud. When such edge distance cannot be maintained because of the width of the existing stud, a new stud shall be added adjacent to the existing and connected with 16d common nails at 8 inches (203.2 mm) on center. A minimum of three such nails shall be provided.

Sec. 779. The first two unnumbered paragraphs of Subsection 91.9204.4.2 of the Los Angeles Municipal Code are amended to read as follows:

See LAMC Table 92-A for the distribution and amount of bracing required. Bracing for a building with three or more floor levels above cripple wall studs exceeding 14 inches (355.6 mm) in height must be designed in accordance with Division 16, Article 1, Chapter IX of the LAMC.

The braced panel must be at least 2 times the height of the cripple stud wall but not less than 48 inches (1219.2 mm) in width. All panels along a wall shall be nearly equal in length and shall be nearly equally spaced along the length of the wall. Braced panels at ends of walls shall be located as near the end as possible.

Sec. 780. The last unnumbered paragraph of Subsection 91.9204.4.2 of the Los Angeles Municipal Code is amended to read as follows:

Underfloor ventilation openings shall be maintained in accordance CBC Section 1203. Braced panels may include underfloor ventilation openings when the height of the solid portion of the panel meets or 75 percent of the height of the cripple stud wall. When the minimum amount of bracing prescribed in LAMC Table 92-A cannot be installed due to obstructions along any wall, the bracing must be designed by an architect or engineer in accordance with CBC Section 1203.3.

Sec. 781. Subsection 91.9204.4.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9204.4.3. Stud Space Ventilation. When bracing materials are installed on the interior face of studs forming an enclosed space between the new bracing and existing exterior finish, each braced stud space must be ventilated. Adequate ventilation and access for future inspection shall be provided by drilling on 2 inch to 3 inch (50.8 mm to 76.2 mm) diameter round hole through the sheathing nearly centered between each stud at the top and bottom of the cripple wall. Such holes should be spaced a minimum of 1 inch (25.4 mm) clear from the sill or top plates. In stud spaces containing sill bolts, the hole shall be located on the center line of the sill bolt but not closer than 1 inch (25.4 mm) clear from the nailing edge of the sheathing.

When existing blocking occurs within the stud space, additional ventilation holes shall be placed above and below the blocking or the existing block shall be removed and a new nominal 2 inch (50.8 mm) by 4 inch (101.6 mm) block installed with the nominal 4 inch (101.6 mm) dimension against the face of the plywood. For stud heights less than 18 inches (457.2 mm) only one ventilation hole need be provided.

Sec. 782. The last sentence of Subsection 91.9205.1 of the Los Angeles Municipal Code is amended to read as follows:

The torque testing of sill plate anchors per LAMC Subsection 91.9204.3.1 shall be performed by the building inspector.

Sec. 783. Subsection 91.9205.4 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9205.4. Engineer's or Architect's Statement. When an alternative design is provided per LAMC Subsection 91.9201.3, the responsible engineer or architect shall place the following statement on the approved plans:

1. "I am responsible for this building's seismic strengthening design for the underfloor cripple walls and sill bolting in compliance with the minimum seismic resistance standards of Division 92, Article 1, Chapter IX of the LAMC."

or when applicable:

2. "The Registered Deputy Inspector, required as a condition of the use of structural design stresses requiring continuous inspection, will be responsible to me as required by LAMC Subsection 91.1704.11."

Sec. 784. Table 92-A following Subsection 91.9205.4 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

**TABLE 92-A
SILL PLATE ANCHORAGE AND CRIPPLE WALL BRACING ^{1,2,3}**

Number of Stories above Cripple Walls	Minimum Sill Plate Connection and Maximum Spacing	Amount of Wall Bracing
One Story	Adhesive or expansion anchors shall be 1/2-inch (12.7 mm) minimum diameter spaced at 6 feet (1828.8 mm) maximum center to center.	Each end and not less than 50% of the wall length.
Two Story	Adhesive or expansion anchors shall be 1/2 inch (12.7 mm) minimum diameter spaced at 4 feet (1219.2 mm) maximum center to center; or 5/8 inch (15.9 mm) spaced at 6 feet (1828.8 mm) maximum center to center.	Each end and not less than 70% of the wall length.
Three Story	Adhesive or expansion anchors shall be 1/2 inch minimum (12.7 mm) diameter spaced at 2 feet 8 inches (812.8 mm) maximum center to center; or 5/8 inch minimum (15.9 mm) diameter spaced at 4 feet (1219.2 mm) maximum center to center.	100% of the wall length.

¹. Plate washers for use with adhesive or expansion anchors shall be 2 inch (50.8 mm) by 2 inch (50.8 mm) by 3/16 inch (4.8 mm) for 1/2 inch (12.7 mm) diameter anchors and 2 1/2 inch (63.5 mm) by 2 1/2 inch (63.5 mm) by 1/4 inch (.635 mm) for 5/8 inch (15.9 mm) diameter anchors.

². Existing sill plate anchor bolts shall be permitted to provide all or a portion of the sill plate connection requirement if:

- a. the anchor bolt is cast in concrete and in sound condition, and:

b. the diameter size and maximum spacing meets or exceeds the requirements of LAMC Table 92-A, and:

c. a new plate washer conforming to footnote 1 is installed, and:

d. the sill plate is connected to a snug tight condition and torque tested per LAMC Subsection 91.9204.3.1.

³. Anchor side plates shall be permitted when conditions prevent anchor installation vertically through the sill plate.

Sec. 785. The first sentence of Section 91.9401 of the Los Angeles Municipal Code is amended to read as follows:

The purpose of this division is to promote public safety and welfare by reducing the risk of death or injury that may result from the effects of earthquakes on existing hillside buildings constructed on or into slopes in excess of 1 unit vertical in 3 units horizontal (33.3% slope).

Sec. 786. Section 91.9403 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 91.9403. DEFINITIONS.

For the purpose of this division, in addition to the applicable definitions, symbols and notations in this Code, certain additional terms are defined as follows:

BASE (BASE LEVEL). The level at which the earthquake motions are considered to be imparted to the structure or the level at which the structure as a dynamic vibrator is supported.

BASE-LEVEL-DIAPHRAGM. The floor at, or closest to, the top of the highest level of the foundation.

DIAPHRAGM ANCHORS. Assemblies that connect a diaphragm to the adjacent foundation at the uphill diaphragm edge.

DIAPHRAGM BACKSPAN. The horizontal cantilevered distance parallel to the direction of the lateral force, between the outermost vertical lateral force resisting elements and the edge of the diaphragm.

DOWNHILL-DIRECTION. The descending direction of the slope approximately perpendicular to the slope contours.

FOUNDATION. The concrete or masonry which supports a building, including footings, stem walls, retaining walls, and grade beams.

FOUNDATION EXTENDING IN THE DOWNHILL-DIRECTION. A descending foundation and approximately perpendicular to the slope contours.

FOUNDATION, UPHILL. A foundation parallel and closest to the uphill diaphragm edge, as defined herein.

HILLSIDE BUILDING. Any wood frame building or portion thereof constructed on or into a slope steeper than one unit vertical in three units horizontal (33.3% slope).

PRIMARY ANCHORS. Are diaphragm anchors designed for and providing direct connection as described in LAMC Subsections 91.9406.2 and 91.9406.3 between the diaphragm and the uphill foundation.

RETROFIT. An improvement of the lateral force resisting system of the structure by an alteration of existing or addition of new structural elements.

SECONDARY ANCHORS. Diaphragm anchors designed for and providing a redundant diaphragm to foundation connection, as described in LAMC Subsection 91.9406.4.

UPHILL DIAPHRAGM EDGE. The edge of the diaphragm adjacent to or closest to the highest ground level at the perimeter of the diaphragm.

Sec. 787. Section 91.9404 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 91.9404. GENERAL REQUIREMENTS.

Except as modified herein, the analysis and design of the work within the scope of this division shall be in accordance with Division 16, Article 1, Chapter IX of the LAMC.

Sec. 788. The second unnumbered paragraph of Subsection 91.9406.2.2 of the Los Angeles Municipal Code is amended to read as follows:

The base-level-diaphragm shall be provided with primary anchors designed for the tributary forces spaced at a maximum 30 feet (9.14 m) on center. Where the floor below the base extends to the uphill foundation, and the foundation at the base is not adequate to resist the forces from the primary anchors, the base shear may be transferred to that lower level and the primary anchorage made at that lower level. The connection shall be made directly to the foundation. The existing foundation shall be evaluated as specified in LAMC Subsection 91.9406.11.

Sec. 789. Subsection 91.9406.3.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9406.3.2. Design. Each floor level below the base defined in LAMC Subsection 91.9406.1.1 shall be designed for all tributary loads at that level using a minimum seismic force factor not less than the base shear coefficient.

Sec. 790. Subsection 91.9406.3.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9406.3.3. Direct Connections. Each floor level shall be directly connected to the foundation through a system of primary anchors at that level as required for the base as specified in LAMC Subsection 91.9406.1.1.

Sec. 791. Subsection 91.9406.4.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9406.4.1. General. In addition to the anchors required by LAMC Subsections 91.9406.2 and 91.9406.3, the floor diaphragm for levels at and below the base shall be anchored to the uphill foundation at the level of the diaphragm, as specified in this section.

EXCEPTION: Secondary anchors are not required where:

1. The concrete or masonry foundations in the downhill-direction are spaced at not more than 30 feet (9.14 m) on center and extend up to and are directly connected to the base-level-diaphragm for at least 70 percent of the diaphragm depth; or

2. The diaphragm is separated from the mudsill at the uphill foundation by a cripple wall which has anchor bolts and is braced in the plane of the wall and constructed with studs that are no less than 12 inches (304.8 mm) in height and primary anchors are spaced a maximum of 20 feet (6.096 m) on center; or

3. The deflection of the plywood floor diaphragm between adjacent primary anchors is calculated to be less than 1/4 of an inch (6.35 mm).

Sec. 792. The second sentence of Subsection 91.9406.4.2 of the Los Angeles Municipal Code is amended to read as follows:

Diaphragm anchors shall be fully inserted into the diaphragm and be connected to the foundation at the uphill diaphragm edge to develop the forces required by this section.

Sec. 793. Subsection 91.9406.4.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9406.4.3. Anchor Spacing. Secondary anchors required by this section shall be uniformly distributed along the uphill diaphragm edge and shall be spaced a maximum of 4 feet (1219.2 mm) on center.

Sec. 794. The last sentence of Subsection 91.9406.4.4 of the Los Angeles Municipal Code is amended to read as follows:

The existing foundation need not be checked to resist the additional forces induced by the system of secondary anchors; however, the existing foundation shall be evaluated as specified in LAMC Subsection 91.9406.11.

Sec. 795. Subsection 91.9406.5.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9406.5.2. Anchorage. The structure shall be anchored to the foundation as specified in LAMC Subsections 91.9406.2, 91.9406.3 and 91.9406.4.

Sec. 796. Subsection 91.9406.5.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9406.5.3. Fasteners. All bolted fasteners used to develop connections to wood members shall be provided with square plate washers at all bolt heads and nuts. Washers shall be minimum 3/16 inch (4.8 mm) thick and 2 inch (50.8 mm) square for 1/2 inch (12.7 mm) diameter bolts, and 1/4 inch (6.35 mm) thick and 2 1/2 inch (63.5 mm) square for 5/8 inch (15.9 mm) diameter or larger bolts. Nuts shall be wrench tightened prior to covering.

Sec. 797. Subsection 91.9406.5.5 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9406.5.5. Size of Wood Members. Wood diaphragm struts, collectors, and other wood members connected to primary anchors shall not be less than 3 inch (76.2 mm) nominal width members or doubled 2 inch (50.8 mm) nominal width members. Fastening doubled 2 inch (50.8 mm) nominal width members shall be designed in accordance to the provisions of CBC Chapter 23. Secondary diaphragm anchors as specified in LAMC Subsection 91.9406.4 may be developed through existing 2 inch (50.8 mm) nominal width framing members. The effects of eccentricity on wood members shall be evaluated as required per LAMC Subsection 91.9406.5.9.

Sec. 798. The second sentence of Subsection 91.9406.5.8 of the Los Angeles Municipal Code is amended to read as follows:

The strength design specified in LAMC Subsection 91.1908 using a load factor of 2.0 in lieu of 1.4 for earthquake loading shall be used for the design of embedment in concrete.

Sec. 799. The first sentence of Subsection 91.9406.5.10.1 of the Los Angeles Municipal Code is amended to read as follows:

The load path for primary anchors shall be fully inserted into the diaphragm and into the foundation. The foundation must be shown to be adequate to resist the concentrated loads from the primary anchors and must be shown to comply with the following:

Sec. 800. Subsection 91.9406.7.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9406.7.1. General. As an alternative to providing primary anchor connections from diaphragms to foundation in the downhill-direction, the following systems may be used, provided their location and spacing is maintained as specified in LAMC Subsection 91.9406.2.2 for primary anchors.

Sec. 801. Subdivisions 1 and 2 of Subsection 91.9406.7.2 of the Los Angeles Municipal Code are amended to read as follows:

1. The minimum length of shear wall shall be 8 feet (2438.4 mm).
2. The minimum level length between steps in the shear wall sill shall be 8 feet (2438.4 mm) and the maximum step height between adjacent sills shall be 2 feet 8 inches (812.8 mm).

Sec. 802. Subdivision 4 of Subsection 91.9406.7.1 of the Los Angeles Municipal Code is amended to read as follows:

4. The design lateral forces shall be distributed to lateral force resisting elements of varying heights in accordance with the stiffness of each individual element. The stiffness of a stepped wood structural panel shear wall may be determined by dividing the wall into adjacent rectangular elements, subject to the same top of wall deflection. Deflections of shear walls may be estimated by CBC Sections 2305 or other equivalent methods. Sheathing and fastening requirements for the stiffest section shall be used for the entire wall. Each section of wall shall be anchored for shear and uplift at each step as an independent shear wall.

Sec. 803. Subdivision 6 of Subsection 91.9406.7.1 of the Los Angeles Municipal Code is amended to read as follows:

6. The drift limitations of LAMC Subsection 91.9406.6.4 are not exceeded.

Sec. 804. Subsection 91.9406.7.5 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9406.7.5. Cement Plaster and Lath and Gypsum Wallboard The sheathing materials listed in Division 25, Article 1, Chapter IX of the LAMC are not permitted to resist seismic lateral forces below the base-level-diaphragm.

Sec. 805. Subsection 91.9406.8 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9406.8. Lateral Force Resisting Systems at the Base and Below and Normal to the Downhill-Direction. Lateral force resisting systems acting normal to the downhill-direction may include steel moment frames and those systems permitted under LAMC Subsection 91.9406.7, provided the drift limitations of LAMC Subsection 91.9406.6 are not exceeded.

Sec. 806. Subsection 91.9406.9.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9406.9.1. General. Diaphragms at the base and below may be of straight 1 inch by 6 inches (25.4 mm by 152.4 mm) or 2 inches by 6 inches (50.8 mm by 152.4 mm) sheathing, provided vertical lateral force resisting elements in the downhill-direction or primary anchors are spaced no more than 20 feet (6.09 m) apart and the diaphragm shear forces do not exceed 100 plf (1.46 kN/m).

Sec. 807. The second sentence of Subsection 91.9406.11.2 of the Los Angeles Municipal Code is amended to read as follows:

Cracks in excess of 1/8 inch (3.2 mm) or differential displacement in excess of 1/4 inch (6.35 mm) shall be further investigated and repaired where necessary.

Sec. 808. Subsection 91.9406.11.5 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9406.11.5. Metal Connectors. Metal connectors shall not be in contact with, or below earth unless the connectors are hot dipped galvanized and further protected from earth with 4 inches (101.6 mm) of concrete.

Sec. 809. Subsection 91.9406.12.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9406.12.1. Allowable Stresses. Existing materials may be used as part of the lateral load-resisting system provided that the stresses in these materials do not exceed the values shown in LAMC Table 94-A.

Sec. 810. The last sentence of Section 91.9407 of the Los Angeles Municipal Code is amended to read as follows:

See LAMC Section 91.8119 for these standards.

Sec. 811. Subsection 91.9408.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9408.2. Department Called Inspections. All anchors installed in accordance with LAMC Subsections 91.9406.2, 91.9406.3 and 91.9406.4 shall be inspected by the Department prior to installation of any construction which might restrict access to the anchors or prevent a visual inspection from the floor level above the anchors.

Sec. 812. Subsection 91.9408.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9408.3. Structural Observation by the Engineer or Architect of Record. The owner shall employ the engineer or architect of record, or other engineer or architect designated by the engineer or architect of record, to perform structural observations as required by CBC Section 1710.

Sec. 813. Subsection 91.9409.5 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9409.5. Engineer's or Architect's Statement. The responsible engineer or architect shall state on the approved plans the following:

1. "I am responsible for designing the strengthening for this building's base level and below in compliance with the minimum regulations of Division 94, Article 1, Chapter IX of the LAMC; and either I or someone under my responsible charge has performed the pre-design investigation."

or when applicable:

2. "The Registered Deputy Inspector, required as a condition of the use of structural design stresses requiring continuous inspection, will be responsible to me as required by LAMC Section 91.1704."

Sec. 814. Section 91.9503 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 91.9503. DEFINITIONS.

For purposes of this division, the applicable definitions and notations in CBC Sections 1602, 1613.2 and 1902 and the following shall apply:

MASONRY INFILL. The unreinforced or reinforced masonry wall construction within a reinforced concrete frame.

Sec. 815. The Exception to Section 91.9505 of the Los Angeles Municipal Code is amended to read as follows:

EXCEPTION: Regular concrete shear wall buildings, of four stories in height and under, may be shown to be in conformance with this division by filing a report signed by a licensed architect, civil or structural engineer containing the information specified in LAMC Section 91.9512.

Sec. 816. Subsection 91.9508.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9508.1. Basis for Analysis. The building shall be analyzed to determine the displacements caused by inertial force effects determined in accordance with the dynamic lateral analysis procedure of LAMC Section 91.9509. The building structural system shall provide a complete load path for resisting the effects of seismic loading. The capacity of all parts of the structural system shall exceed the demand calculated by the dynamic analysis using the effective stiffnesses determined by a nonlinear analysis of the elements.

EXCEPTION: Buildings conforming to the requirements of LAMC Subsections 91.9508.4.2 and 91.9508.4.3 may be analyzed using the procedure specified in LAMC Subsections 91.9510 and 91.9511, respectively.

Sec. 817. Subsection 91.9508.3.3.4 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9508.3.3.4. Irregular structures conforming to the requirements of LAMC Subsection 91.9508.4 and Section 91.9511 may be considered regular if the plan and vertical irregularities are removed by the addition of lateral load resisting systems.

Sec. 818. Subsection 91.9508.4.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9508.4.1. General. Any structure may be analyzed using the dynamic lateral analysis procedures of LAMC Section 91.9509. The equivalent lateral force procedure or the simplified analysis may be used for structures conforming to the requirements on the use of those analyses.

Sec. 819. Subsection 91.9508.4.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9508.4.2. Equivalent Lateral Force. The equivalent lateral force procedure of LAMC Section 91.9510 may be used for regular structures or irregular structures having plan irregularity only of not more than four stories.

Sec. 820. Subsection 91.9508.4.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9508.4.3. Simplified Analysis. Regular structures of not more than four stories conforming to the requirements of LAMC Section 91.9511 may be analyzed for a prescribed strength of their systems and elements.

Sec. 821. The Exception to Subsection 91.9509.4.1 of the Los Angeles Municipal Code is amended to read as follows:

EXCEPTION: The initial effective moment of inertia of beams and columns in shear wall or infilled frame buildings may be estimated using LAMC Table 95-D. The ratio of effective moment of inertia used for the beams and for the columns shall be verified by Formula (9-1), (9-2) and (9-3). The estimates shall be revised if the ratio used exceeds the ratio calculated by more than 20 percent.

$$I_e = \left(\frac{M_{cr}}{M_a} \right)^3 I_g + \left[1 - \left(\frac{M_{cr}}{M_a} \right)^3 \right] I_{cr} \quad (9-1)$$

WHERE:

$$M_{cr} = \frac{f_t I_g}{y_t} \quad (9-2)$$

AND:

$$f_r = 7.5 \sqrt{f'_c} \quad (9-3)$$

Sec. 822. The fourth and fifth sentences of Subsection 91.9509.4.3 of the Los Angeles Municipal Code are amended to read as follows:

The secant stiffness of the force-displacement relationship, calculated as prescribed in LAMC Subsection 91.9509.4.2, shall be used to determine the effective area of the diagonals. The effective stiffness of the frame shall be determined as specified in LAMC Subsection 91.9509.4.1.

Sec. 823. Subsection 91.9509.5.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9509.5.2. Number of Modes. The requirement of LAMC Subsection 91.9509.5.1 may be satisfied by demonstrating that for the modes considered; at least 90 percent of the participating mass of the structure is included in the calculation of response for each principal horizontal direction.

Sec. 824. Subdivision A of Subsection 91.9509.6 of the Los Angeles Municipal Code is amended to read as follows:

A. Concrete. The compressive strength of existing concrete shall be determined by tests on cores sampled from the structure or may be taken from information given on the construction documents and confirmed by limited testing. A default value of horizontal shear stress may be used in LAMC Subsection 91.9511.5.1 without testing of the compressive strength of the existing concrete.

1. The cutting of cores shall not significantly reduce the strength of the existing structure. Cores shall not be taken in columns. Existing reinforcement shall not be cut.

2. If the construction documents do not specify a minimum compressive strength of the classes of concrete, five cores per story, with a minimum of ten cores per building, shall be obtained for testing.

EXCEPTION: If the coefficient of variation of the compressive strength does not exceed 15 percent, the number of cores per story may be reduced to two and the minimum number of tests reduced to five.

3. When the construction documents specify a minimum compressive strength, two cores per story, per class of concrete, shall be taken in the areas where that concrete was to be placed. A minimum of five cores shall be obtained for testing per building. If a higher strength of concrete was specified for columns than the remainder of the concrete, cores taken in the beams for verification of the specified strength of the beams, shall be substituted for tests in the columns. The strength

specified for columns may be used in the analyses if the specified compressive strength in the beams is verified.

4. The sampling for the concrete strength tests shall be distributed uniformly in each story. If the building has shear walls, a minimum of 50 percent of the cores shall be taken from the shear walls. Not more than 25 percent of the required cores shall be taken in floor and roof slabs. The remainder of cores may be taken from the center of beams at mid-span. In concrete frame buildings, 75 percent of the cores shall be taken from the beams.

5. The mean value of the compressive stresses obtained from the core testing for each class of concrete shall be used in the analyses. Values of peak strain that is associated with peak compressive stress may be taken from published data for the nonlinear analyses of reinforced concrete elements.

Sec. 825. Subdivisions D and E of Subsection 91.9509.6 of the Los Angeles Municipal Code are amended to read as follows:

D. Unreinforced Masonry.

1. The stress-strain relationship of existing unreinforced masonry shall be determined by in-place cyclic testing. The test procedure shall conform to LAMC Section 91.9513.

2. One stress-strain test per story and a minimum of five tests per building shall be made in the unreinforced masonry infills. The location of the tests shall be uniformly distributed throughout the building.

3. The average values of the stress-strain values obtained from testing shall be used in the nonlinear analyses of frame-infill assemblies or in the calculation of the effective diagonal brace that is used in the simplified analysis procedure of LAMC Section 91.9511.

E. Reinforcement. The yield stress of each type of new or existing reinforcement shall be taken from LAMC Table 95-E unless the reinforcement is sampled and tested for yield stress. The axial reinforcement in columns of post-1933 buildings shall be assumed to be hard grade unless noted otherwise on the construction documents.

Sec. 826. Subdivision 3 of Subsection 91.9509.7.2 of the Los Angeles Municipal Code is amended to read as follows:

3. Peak strain in masonry infills as determined by experimental data or by physical testing as prescribed in LAMC Section 91.9513.

Sec. 827. Subdivision 5 of Subsection 91.9509.7.2 of the Los Angeles Municipal Code is amended to read as follows:

5. A story drift of 0.015 using the dynamic analysis procedure or the forces specified in LAMC Section 91.9510. This limitation shall not supersede the limitations of Subdivisions 1-4 of this subsection.

Sec. 828. The second sentence of Subsection 91.9510.1 of the Los Angeles Municipal Code is amended to read as follows:

The effects of the loading on the two orthogonal axes shall be combined as required by LAMC Subsection 91.9509.1.

Sec. 829. Subsection 91.9510.7 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9510.7. Effective Stiffness. The effective stiffness of concrete and masonry elements shall be determined as prescribed in LAMC Subsection 91.9509.4.

Sec. 830. Subsection 91.9510.8 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9510.8. Material Characteristics. Material characteristics shall be determined as prescribed in LAMC Subsection 91.9509.6.

Sec. 831. Subsection 91.9510.9 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9510.9. Story Drift Limitations. Story drift limits shall be as prescribed in LAMC Subsection 91.9509.7.

Sec. 832. Subsection 91.9510.10 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9510.10. Compressive Strain Determination. Compressive strain shall be determined as prescribed in LAMC Subsection 91.9509.8.

Sec. 833. Subsection 91.9510.11 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9510.11. Shear Strength Limitation. The in-plane shear strength shall equal or exceed the shear forces determined as prescribed in LAMC Subsection 91.9509.9.

Sec. 834. The first sentence of Subsection 91.9511.2 of the Los Angeles Municipal Code is amended to read as follows:

The building shall conform to all of the following features, or the building shall be analyzed by the Equivalent Lateral Force procedure or the Dynamic Lateral Force procedure as prescribed by LAMC Subsection 91.9508.4.

Sec. 835. Subdivision 8 of Subsection 91.9511.2 of the Los Angeles Municipal Code is amended to read as follows:

8. All concrete frames with infilled panels conforming to Item 1 above shall have total height to base length ratios of 2 to 1 or less.

Sec. 836. Subsection 91.9511.3.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9511.3.2. Seismic Loading. The seismic loading shall be calculated by LAMC Subsection 91.9510.2. The loading of each story level shall be calculated Formula (10-1) of LAMC Subsection 91.9510.4.

Sec. 837. The first sentence of Subsection 91.9511.3.4 of the Los Angeles Municipal Code is amended to read as follows:

The calculations may be limited to computation of loads on the reinforced concrete shear walls or infilled frame panels that comply with LAMC Subsection 91.9511.2 and computation of the drag and tie forces that develop a complete load path.

Sec. 838. Subsection 91.9511.4.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9511.4.2. The strength of infilled frame systems used for lateral-load resistance in this section shall be calculated using only the infilled frames that conform to Subdivision 1 of LAMC Subsection 91.9511.2.

Sec. 839. The second sentence of Subsection 91.9511.5.1 of the Los Angeles Municipal Code is amended to read as follows:

For the purpose of this division, the horizontal shear stress may be taken as 80 psi (552 kPa) without testing as required by Subdivision A of LAMC Subsection 91.9509.6.

Sec. 840. The first sentence of Subsection 91.9512.2 of the Los Angeles Municipal Code is amended to read as follows:

The building shall conform to all of the following features, or the building shall be analyzed as prescribed by LAMC Subsection 91.9508.4.

Sec. 841. Subdivision 9 of Subsection 91.9512.2 of the Los Angeles Municipal Code is amended to read as follows:

9. The ratio of total height to base width of cantilevered or coupled shear walls shall be 2 or less. The ratio of the clear height to inplane depth of piers in a shear wall shall be 2 or less. Shear walls or piers having a height to depth ratio greater than 2 shall be given an effective area of 1/2 of their area.

Sec. 842. The last sentence of Subsection 91.9513.3 of the Los Angeles Municipal Code is amended to read as follows:

The length of the saw cut on the face of the wall may exceed the length of the flat jacks by not more than twice the thickness of the outer wythe plus 1 inch (25.4 mm).

Sec. 843. The second sentence of Subsection 91.9513.4 of the Los Angeles Municipal Code is amended to read as follows:

The length of the flat jack shall be 18 inches (457.2 mm) maximum and 16 inches (406 mm) minimum.

Sec. 844. The fifth sentence of Subsection 91.9513.4 of the Los Angeles Municipal Code is amended to read as follows:

The minimum width of a flat jack shall be 3 1/2 inches (88.9 mm) measured out-to-out of the flat jack.

Sec. 845. The first sentence of Subsection 91.9513.5 of the Los Angeles Municipal Code is amended to read as follows:

The strain in the tested prism shall be recorded by gages or similar recording equipment having a minimum range of .0001 of an inch (0.0025 mm).

Sec. 846. The first sentence of Subsection 91.9513.7 of the Los Angeles Municipal Code is amended to read as follows:

The flat jack shall be calibrated before use by placing the flat jack between bearing plates of 2 inches (50.8 mm) minimum thickness in a calibrated testing machine.

Sec. 847. The first sentence of Subsection 91.9513.8 of the Los Angeles Municipal Code is amended to read as follows:

The data obtained from the testing required by Subdivision D 2 of LAMC Subsection 91.9509.6 shall be averaged both in expected peak compressive stress and the corresponding peak strain.

Sec. 848. Subdivisions 1 and 2 of Subsection 91.9516.3 of the Los Angeles Municipal Code are amended to read as follows:

1. "I am responsible for this building's seismic strengthening design in compliance with the minimum seismic resistance standards of Division 95, Article 1, Chapter IX of the LAMC."

or when applicable:

2. "The Registered Deputy Inspector, required as a condition of the use of structural design stresses requiring continuous inspection, will be responsible to me as required by LAMC Section 91.1704."

Sec. 849. The last unnumbered paragraph of Section 91.9601 of the Los Angeles Municipal Code is amended to read as follows:

This division provides voluntary retrofit standards for deficient wall anchorage systems on structures **that are not subject to the mandatory provisions of Division 91, Article 1, Chapter IX of the LAMC.** When fully followed, these standards will strengthen the portion of the structure that is most vulnerable to earthquake damage.

Sec. 850. The last unnumbered paragraph of Section 91.9602 of the Los Angeles Municipal Code is amended to read as follows:

All tilt-up concrete wall buildings designed under the Building Code in effect prior to January 1, 1976 are subject to the mandatory provisions of Division 91, Article 1, Chapter IX of the LAMC. All existing reinforced masonry or concrete buildings with flexible diaphragms, including tilt-up concrete wall buildings, designed under the Building Code in effect on or after January 1, 1995, shall be designed in conformance with Division 16, Article 1, Chapter IX of the LAMC.

Sec. 851. Section 91.9603 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 91.9603. DEFINITIONS.

For the purposes of this Division, the applicable definitions in CBC Chapter 2, Sections 1602, 1613.2, 1902 and 2302; Sections 1.2, 3.1, 4.1 and 11.2 of ASCE 7, and the following shall apply:

ANCHORAGE SYSTEM. The system of all structural elements and connections, which support the concrete or masonry wall in the lateral direction, including diaphragms and subdiaphragms, wall anchorage and continuity or cross tie connectors in subdiaphragms and main diaphragms.

COMMENCED CONSTRUCTION. Construction pursuant to a valid building permit that has progressed to the point that one of the called inspections as required by the Department has been made and the work for which the inspection has been called has been judged by the Department to be substantial and has been approved by the Department.

EXISTING BUILDING. An erected building for which a legal building permit and a certificate of occupancy have been issued.

FLEXIBLE DIAPHRAGM. Any diaphragm constructed of wood structural panel, diagonal or straight wood sheathing, metal decking without a structural concrete topping, or horizontal rod bracing.

HISTORICAL BUILDING. Any building designated or currently in the process of being designated as a historical building by an appropriate federal, state or City jurisdiction.

REINFORCED CONCRETE WALL. A concrete wall that has 50 percent or more of the reinforcing steel required for reinforced concrete in Division 19, Article 1, Chapter IX of the LAMC.

REINFORCED MASONRY WALL. A masonry wall that has 50 percent or more of the reinforcing steel required by Section 2.3 or Section 3.3 of ACI 530-05/ASCE 5-05/TMS 402-05 (MSJC).

RETROFIT. Strengthening or structurally improving the lateral force resisting system of an existing building by alteration of existing or addition of new structural elements.

TILT-UP CONCRETE WALL. A form of precast concrete panel construction either cast in the horizontal position at the site and after curing, lifted and moved into place in a vertical position, or cast off-site in a fabricator's shop.

Sec. 852. The first Exception to Section 91.9604 of the Los Angeles Municipal Code is amended to read as follows:

EXCEPTION: Using 75 percent of the design force as specified in Section 12.11 of ASCE 7 and completely in compliance with all the requirements as specified in that Section is considered equivalent to the requirements specified in this Section and LAMC Section 91.9604.2.

Sec. 853. The second unnumbered paragraph of Subsection 91.9604.3 of the Los Angeles Municipal Code is amended to read as follows:

In wood diaphragms, anchorage shall not be accomplished by use of toe nails or nails subject to withdrawal, nor shall wood ledgers, top plates or framing be used in cross-grain bending or cross-grain tension. The continuous ties required by LAMC Subsection 91.1613.5 and Section 12.11 of ASCE 7 shall be in addition to the diaphragm sheathing.

Sec. 854. The first sentence of Subsection 91.9604.4 of the Los Angeles Municipal Code is amended to read as follows:

Anchorage of pilasters shall be designed for the tributary wall anchoring load per LAMC Subsection 91.9604.1, considering the wall as a two-way slab.

Sec. 855. The last sentence of Subsection 91.9604.4 of the Los Angeles Municipal Code is amended to read as follows:

The minimum anchorage at a floor or roof between the pilasters shall be that specified in LAMC Subsection 91.9604.1.

Sec. 856. The last sentence of Subsection 91.9604.6 of the Los Angeles Municipal Code is amended to read as follows:

For existing structural members, the allowable stresses shall be without the 1/3 stress increase per LAMC Subsection 91.9604.2.

Sec. 857. The second sentence of Subsection 91.9604.10 of the Los Angeles Municipal Code is amended to read as follows:

Walls depending on the mezzanine for lateral support shall be anchored per LAMC Subsections 91.9604.1, 91.9604.2 and 91.9604.3.

Sec. 858. The first sentence of the last unnumbered paragraph of Subsection 91.9604.10 of the Los Angeles Municipal Code is amended to read as follows:

Existing interior masonry or concrete walls not designed as shear walls, which extend to the floor above or to the roof diaphragm shall also be anchored for out-of-plane forces per LAMC Subsection 91.9604.1, 91.9604.2 and 91.9604.3.

Sec. 859. The last sentence of Subsection 91.9604.11 of the Los Angeles Municipal Code is amended to read as follows:

See Division 84, Article 1, Chapter IX of the LAMC for these alternatives.

Sec. 860. Section 91.9605 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 91.9605. MATERIALS OF CONSTRUCTION.

All materials permitted by this Code, including their appropriate allowable stresses and those existing configurations of materials specified in Division 88, Article 1, Chapter IX of the LAMC, may be utilized to meet the requirements of this division.

Sec. 861. Subdivisions 1 and 2 of Subsection 91.9606.3 of the Los Angeles Municipal Code are amended to read as follows:

1. "I am responsible for this building's seismic strengthening design of the tilt-up concrete wall anchorage system in compliance with the minimum seismic resistance standards of Division 96, Article 1, Chapter IX of the LAMC."

or when applicable:

2. "The Registered Deputy Inspector, required as a condition of the use of structural design stresses requiring continuous inspection, will be responsible to me as required by LAMC Section 91.1704."

Sec. 862. The third sentence of Section 91.5.101 of the Los Angeles Municipal Code is amended to read as follows:

In addition to the LARC, Divisions 1, 11, 17, 34, 63, 67, 70, 71, 72, 81, 89, 92, 93 and 96, and Section 91.3109 of the Los Angeles Building Code or LABC shall also be applicable to one- and two-family dwellings, efficiency dwelling units, and townhouses unless stated otherwise.

Sec. 863. The Exception to Section 91.5.101 of the Los Angeles Municipal Code is amended to read as follows:

EXCEPTION:

1. Live/work units complying with the requirements of CBC Section shall be permitted to be built as one- and two-family dwellings or townhouses. Fire suppression required by CBC Section 419.5 when constructed under the CRC for one- and two-family dwellings shall conform to CBC Section 903.3.1.3.

2. Owner-occupied lodging houses with five or fewer guestrooms shall be permitted to be built in accordance with the CRC for one- and two-family dwellings when equipped with a fire sprinkler system in accordance with CRC Section R313.

Sec. 864. The second sentence of Subsection 91.5.301.1.3.2 of the Los Angeles Municipal Code is amended to read as follows:

Notwithstanding other provisions of law, the law establishing these provisions is found in California Business and Professions Code Sections 5537 and 6737.1.

Sec. 865. Subsection 91.5.301.1.4 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.301.1.4. Seismic Design Provisions for Buildings Constructed on or into Slopes Steeper than One Unit Vertical in Three Units Horizontal (33.3 Percent Slope). The design and construction of new buildings and additions to existing buildings when constructed on or into slopes steeper than one unit vertical in three units horizontal (33.3 percent slope) shall comply with LAMC Subsection 91.1613.8.

Sec. 866. Footnotes a and b to Table R301.2(1) following Subsection 91.5.301.1.4 of the Los Angeles Municipal Code are amended to read as follows:

a. Weathering may require a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code. The weathering column shall be filled in with the weathering index (i.e., “negligible”, “moderate” or “severe”) for concrete as determined from the Weathering Probability Map [CRC Figure R301.2(3)]. The grade of masonry units shall be determined from ASTM C 34, C 55, C 62, C 73, C 90, C 129, C 145, C 216 or C 652.

b. The frost line depth may require deeper footings than indicated in CRC Figure R403.1(1). The jurisdiction shall fill in the frost line depth column with the minimum depth of footing below finish grade.

Sec. 867. Footnotes d, e, and f of Subsection 91.5.301.1.4 of the Los Angeles Municipal Code are amended to read as follows:

d. The jurisdiction shall fill in this part of the table with the wind speed from the basic wind speed map [CRC Figure R301.2(4)]. Wind exposure category shall be determined on a site-specific basis in accordance with CRC Section R301.2.1.4.

e. Temperatures shall be permitted to reflect local climates or local weather experience as determined by the Building Official.

f. The jurisdiction shall fill in this part of the table with the seismic design category determined from CRC Section R301.2.2.1.

Sec. 868. Footnotes h and i of Subsection 91.5.301.1.4 of the Los Angeles Municipal Code are amended to read as follows:

h. In accordance with CRC Sections R905.2.7.1, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1 and R905.8.3.1, where there has been a history of local damage from the effects of ice damming, the jurisdiction shall fill in this part of the table with "YES". Otherwise, the jurisdiction shall fill in this part of the table with "NO".

i. The jurisdiction shall fill in this part of the table with the 100-year return period air freezing index (BF-days) from CRC Figure R403.3(2) or from the 100-year (99%) value on the National Climatic Data Center data table "Air Freezing Index - USA Method (Base 32°)" at www.ncdc.noaa.gov/fpsf.html.

Sec. 869. Footnote k of Subsection 91.5.301.1.4 of the Los Angeles Municipal Code is amended to read as follows:

k. In accordance with CRC Section R301.2.1.5, where there is local historical data documenting structural damage to buildings due to topographic wind speed-up effects, the jurisdiction shall fill in this part of the table with "YES". Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

Sec. 870. The first sentence of Subsection 91.5.301.2.2.2.5 of the Los Angeles Municipal Code is amended to read as follows:

Prescriptive construction as regulated by this Code shall not be used for irregular structures located in Seismic Design Categories C, D₀, D₁, and D₂.

Sec. 871. The third sentence of Subsection 91.5.301.2.2.2.5 of the Los Angeles Municipal Code is amended to read as follows:

When the forces associated with the irregularity are resisted by a structural system designed in accordance with accepted engineering practice, design of the remainder of the building shall be permitted using the provisions of this Code.

Sec. 872. The first Exception to Subsection 91.5.301.2.2.2.5 of the Los Angeles Municipal Code is amended to read as follows:

Exception: Portions of floors that do not support shear walls or braced wall panels above, or roofs, shall be permitted to extend no more than 6 feet (1828.8 mm) beyond a shear wall or braced wall line.

Sec. 873. Subdivision 4 of Subsection 91.5.301.2.2.2.5 of the Los Angeles Municipal Code is amended to read as follows:

4. When an opening in a floor or roof exceeds the lesser of 12 feet (3657.6 mm) or 50 percent of the least floor or roof dimension;

Sec. 874. Subdivision 7 of Subsection 91.5.301.2.2.2.5 of the Los Angeles Municipal Code is amended to read as follows:

7. When stories above-grade partially or completely braced by wood wall framing in accordance with CRC Section R602 or steel wall framing in accordance with CRC Section R603 include masonry or concrete construction;

Sec. 875. The second Exception to Subsection 91.5.301.2.2.2.5 of the Los Angeles Municipal Code is amended to read as follows:

Exception: Fireplaces, chimneys and masonry veneer as permitted by this Code. When this irregularity applies, the entire story shall be designed in accordance with accepted engineering practice.

Sec. 876. Subdivision 1 of Subsection 91.5.301.2.2.3.8 of the Los Angeles Municipal Code is amended to read as follows:

1. The component weighs 400 lb (1,780 N) or less and has a center of mass located 4 ft (1219.2 mm) or less above the supporting structure; or

Sec. 877. Subsection 91.5.311.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.311.2. Egress Door. At least one egress door shall be provided for each dwelling unit. The egress door shall be side-hinged, and shall provide a minimum clear width of 32 inches (812.8 mm) when measured between the face of the door and the stop, with the door open 90 degrees (1.57 rad). The minimum clear height of the door opening shall not be less than 78 inches (1981.2 mm) in height measured from the top of the threshold to the bottom of the stop. This is accomplished by providing a door not less than 3 feet (914.4 mm) in width and 6 feet 8 inches (2032 mm) in height. Egress doors shall be readily operable from inside the dwelling without the use of a key or special knowledge or effort. Every interior door in a doorway through which occupants pass shall have a minimum width of 32 inches (812.8 mm).

Sec. 878. The first sentence of Subsection 91.5.322.1.4.1 of the Los Angeles Municipal Code is amended to read as follows:

If design flood elevations are not specified, the Building Official is authorized to require the applicant to:

Sec. 879. The second sentence of Subsection 91.5.401.1 of the Los Angeles Municipal Code is amended to read as follows:

In addition to the provisions of this Division, the design and construction of foundations in flood hazard areas as established by CRC Table R301.2(1) shall meet the provisions of CRC Section R322.

Sec. 880. The second Exception to Subsection 91.5.401.1 of the Los Angeles Municipal Code is amended to read as follows:

Exception: In non-occupied, single-story, detached storage sheds and similar uses other than carport or garage, provided the gross floor area does not exceed 200 square feet (18.58 m²), the plate height does not exceed 12 feet (3657.6 mm) in height above the grade at any point, and the maximum roof projection does not exceed 24 inches (609.6 mm).

Sec. 881. The first sentence of Subsection 91.5.403.1.3 of the Los Angeles Municipal Code is amended to read as follows:

Concrete footings located in Seismic Design Categories D₀, D₁, and D₂, as established in CRC Table R301.2(1), shall have minimum reinforcement.

Sec. 882. The first sentence of the second unnumbered paragraph of Subsection 91.5.403.1.3 of the Los Angeles Municipal Code is amended to read as follows:

In Seismic Design Categories D₀, D₁, and D₂ where a construction joint is created between a concrete footing and a stem wall, a minimum of one No. 4 bar shall be installed at not more than 4 feet (1219.2 mm) on center.

Sec. 883. The third unnumbered paragraph of Subsection 91.5.403.1.3 of the Los Angeles Municipal Code is amended to read as follows:

In Seismic Design Categories D₀, D₁, and D₂ where a grouted masonry stem wall is supported on a concrete footing and stem wall, a minimum of one No. 4 bar shall be installed at not more than 4 feet (1219.2 mm) on center. The vertical bar shall extend to 3 inches (76.2 mm) clear of the bottom of the footing and have a standard hook.

Sec. 884. Subsection 91.5.403.1.5 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.403.1.5. Slope. The top surface of footings shall be level. The bottom surface of footings shall not have a slope exceeding 1 unit vertical in 10 units horizontal (10-percent slope). Footings shall be stepped where it is necessary to change the elevation of the top surface of the footings or where the slope of the bottom surface of the footings will exceed 1 unit vertical in 10 units horizontal (10-percent slope).

For structures located in Seismic Design Categories D₀, D₁, and D₂, or E, stepped footings shall be reinforced with 4 1/2 inch diameter (12.7 mm) deformed reinforcing bars. Two bars shall be placed at the top and bottom of the footing as shown in Figure 91.5.403.1.5 of this division.

Sec. 885. The first sentence of Subsection 91.5.404.1 of the Los Angeles Municipal Code is amended to read as follows:

Wood foundation walls shall be constructed in accordance with the provisions of CRC Sections R404.2.1 through R404.2.6 and with the details shown in CRC Figures R403.1(2) and R403.1(3).

Sec. 886. The second sentence of Subsection 91.5.501.1 of the Los Angeles Municipal Code is amended to read as follows:

Mechanical or plumbing fixtures and equipment shall be attached (or anchored) to the structure in accordance with LAMC Subsection 91.5.301.2.2.3.8.

Sec. 887. Subsection 91.5.503.2.4 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.503.2.4. Openings in Horizontal Diaphragms. Openings in horizontal diaphragms with a dimension perpendicular to the joist that is greater than 4 feet (1219.2 mm) shall be constructed in accordance with LAMC Figure 91.5.503.2.4.

Sec. 888. Footnote c of Figure 91.5.503.2.4 following Subsection 91.5.503.2.4 of the Los Angeles Municipal Code is amended to read as follows:

c. Openings in diaphragms shall be further limited in accordance with CRC Section R301.2.2.2.5.

Sec. 889. Section 91.5.600 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 91.5.600. BASIC PROVISIONS.

Chapter 6 of the CRC is hereby adopted by reference with the exceptions, modifications and additions set forth below. Additionally, CRC Section R602.10.9.1 from the 2013 California Residential Code is not adopted.

Sec. 890. Footnotes a, b, c, d, e, f, and g of Table 91.5.602.3(1) following Section 91.5.600 of the Los Angeles Municipal Code are amended to read as follows:

a. All nails are smooth-common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strengths as shown: 80 ksi for shank diameter of 0.192 inch (4.87 mm) (20d common nail), 90 ksi for shank diameters larger than 0.142 inch (3.60 mm) but not larger than 0.177 inch (4.49 mm), and 100 ksi for shank diameters of 0.142 inch (3.60 mm) or less.

- b. Staples are 16 gauge wire and have a minimum 7/16 inch (11.11 mm) on diameter crown width.
- c. Nails shall be spaced at not more than 6 inches (152.4 mm) on center at all supports where spans are 48 inches (1219.2 mm) or greater.
- d. 4 foot by 8 foot (1219.2 mm x 2438.1 mm) or 4 foot by 9 foot (1219.2 mm x 2743.2 mm) panels shall be applied vertically.
- e. Spacing of fasteners not included in this table shall be based on LAMC Table 91.5.602.3(2).
- f. For regions having basic wind speed of 110 mph or greater, 8d deformed (2 1/2" x 0.120) nails shall be used for attaching plywood and wood structural panel roof sheathing to framing within minimum 48 inch (1219.2 mm) distance from gable end walls, if mean roof height is more than 25 feet (7.62 m), up to 35 feet (10.66 m) maximum.
- g. For regions having basic wind speed of 100 mph or less, nails for attaching wood structural panel roof sheathing to gable end wall framing shall be spaced 6 inches on center. When basic wind speed is greater than 100 mph, nails for attaching panel roof sheathing to intermediate supports shall be spaced 6 inches (152.4 mm) on center for minimum 48 inch (1219.2 mm) distance from ridges, eaves and gable end walls; and 4 inches (101.6 mm) on center to gable end wall framing.

Sec. 891. Footnotes b, and c of Table 91.5.602.3(2) following Section 91.5.600 of the Los Angeles Municipal Code are amended to read as follows:

- b. Staples shall have a minimum crown width of 7/16 inch (11.11 mm) on diameter except as noted. Use of staples in roof, floor, subfloor, and braced wall panels shall be prohibited in Seismic Design Category D₀, D₁, or D₂.
- c. Nails or staples shall be spaced at not more than 6 inches (152.4 mm) on center at all supports where spans are 48 inches (1219.2 mm) or greater. Nails or staples shall be spaced at not more than 12 inches (304.8 mm) on center at intermediate supports for floors.

Sec. 892. Footnote e of Table 91.5.602.3(2) following Section 91.5.600 of the Los Angeles Municipal Code is amended to read as follows:

- e. For 5-ply panels, intermediate nails shall be spaced not more than 12 inches (304.8 mm) on center each way.

Sec. 893. The first unnumbered paragraph of Subsection 91.5.602.3.2 of the Los Angeles Municipal Code is amended to read as follows:

Wood stud walls shall be capped with a double top plate installed to provide overlapping at corners and intersections with bearing partitions. End joints in top plates shall be offset at least 24 inches (609.6 mm). Joints in plates need not occur over studs. Plates shall be not less than 2 inches (50.8 mm) nominal thickness and have a width at least equal to the width of the studs.

Sec. 894. Subsection 91.5.602.10.2.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.602.10.2.3. Minimum Number of Braced Wall Panels. Braced wall lines with a length of 16 feet (4876.8 mm) or less shall have a minimum of two braced wall panels of any length or one braced wall panel equal to 48 inches (1219.2 mm) or more. Braced wall lines greater than 16 feet (4876.8 mm) shall have a minimum of two braced wall panels. No braced wall panel shall be less than 48 inches (1219.2 mm) in length in Seismic Design Category D₀, D₁, or D₂.

Sec. 895. Footnote c of Table 91.5.602.10.3(3) following Subsection 91.5.602.10.2.3 of the Los Angeles Municipal Code is amended to read as follows:

c. Method LIB shall have gypsum board fastened to at least one side with nails or screws per CRC Table R602.3(1) for exterior sheathing or CRC Table R702.3.5 for interior gypsum board. Spacing of fasteners at panel edges shall not exceed 8 inches (203.2 mm).

Sec. 896. Footnote c of Table 91.5.602.10.4 following Subsection 91.5.602.10.2.3 of the Los Angeles Municipal Code is amended to read as follows:

c. Garage openings adjacent to a Method CS-G panel shall be provided with a header in accordance with CRC Table R502.5(1). A full height clear opening shall not be permitted adjacent to a Method CS-G panel.

Sec. 897. Footnotes c, d, and e of Table 91.5.602.10.5 following Subsection 91.5.602.10.4 of the Los Angeles Municipal Code are amended to read as follows:

c. Maximum header height for PFH is 10 feet (3048 mm) in accordance with CRC Figure R602.10.6.2, but wall height may be increased to 12 feet (3657.6 mm) with pony wall.

d. Maximum opening height for PFG is 10 feet (3048 mm) in accordance with CRC Figure R602.10.6.3, but wall height may be increased to 12 feet (3657.6 mm) with pony wall.

e. Maximum opening height for CS-PF is 10 feet (3048 mm) in accordance with CRC Figure R602.10.6.4, but wall height may be increased to 12 feet (3657.6 mm) with pony wall.

Sec. 898. The second unnumbered paragraph of Subsection 91.5.603.2.4 of the Los Angeles Municipal Code is amended to read as follows:

Where No. 8 screws are specified in a steel-to-steel connection, the required number of screws in the connection is permitted to be reduced in accordance with the reduction factors in CRC Table R603.2.4, when larger screws are used or when one of the sheets of steel being connected is thicker than 33 mils (0.84 mm). When applying the reduction factor, the resulting number of screws shall be rounded up.

Sec. 899. The first and second sentences of Subsection 91.5.606.2.4 of the Los Angeles Municipal Code are amended to read as follows:

Unreinforced solid masonry parapet walls shall not be less than 8 inches (203.2 mm) thick and their height shall not exceed 4 times their thickness. Unreinforced hollow unit masonry parapet walls shall be not less than 8 inches (203.2 mm) thick, and their height shall not exceed 3 times their thickness.

Sec. 900. Subsection 91.5.606.12.2.2.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.606.12.2.2.3. Reinforcement of Requirements for Masonry Elements. Masonry elements listed in Section R606.12.2.2.2 shall be reinforced in either the horizontal or vertical direction as shown in Figure R606.11(3) and in accordance with the following:

1. Horizontal reinforcement. Horizontal joint reinforcement shall consist of at least one No. 4 bar spaced not more than 48 inches (1219.2 mm). Horizontal reinforcement shall be provided within 16 inches (406.4 mm) of the top and bottom of these masonry elements.

2. Vertical reinforcement. Vertical reinforcement shall consist of at least one No. 4 bar spaced not more than 48 inches (1219.2 mm). Vertical reinforcement shall be within 16 inches (406.4 mm) of the ends of masonry walls.

Sec. 901. The second sentence of Subsection 91.5.802.8 of the Los Angeles Municipal Code is amended to read as follows:

For roof rafters with ceiling joists attached per CRC Table R602.3(1), the depth-thickness ratio for the total assembly shall be determined using the combined thickness of the rafter plus the attached ceiling joist.

Sec. 902. Subsection 91.5.803.2.4 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.803.2.4. Openings in Horizontal Diaphragms. Openings in horizontal diaphragms shall conform to LAMC Subsection 91.5.503.2.4.

Sec. 903. Subsection 91.5.1001.3.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.5.1001.3.1. Vertical Reinforcing. For chimneys up to 40 inches (1016 mm) wide, four No. 4 continuous vertical bars adequately anchored into the concrete foundation shall be placed between wythes of solid masonry or within the cells of hollow unit masonry and grouted in accordance with CRC Section R609. Grout shall be prevented from bonding with the flue liner so that the flue liner is free to move with thermal expansion. For chimneys more than 40 inches (1016 mm) wide, two additional No. 4 vertical bars adequately anchored into the concrete foundation shall be provided for each additional flue incorporated into the chimney or for each additional 40 inches (1016 mm) in width or fraction thereof.

Sec. 904. Section 92.0101 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0101. TITLE.

This article shall be known as the “Los Angeles Elevator 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 Elevator Code.” Wherever the word “City” is used in this article, it shall mean the “City of Los Angeles.” Wherever the word “Department” is used in this article, it shall mean the “Department of Building and Safety.”

Sec. 905. The first unnumbered paragraph of Section 92.0103 of the Los Angeles Municipal Code is amended to read as follows:

This Code covers the design, construction, installation, alteration, inspection, maintenance, testing, operation, repairing and licensing of elevators, escalators, moving walks, dumbwaiters, manlifts, private residence elevators and inclined elevators, inclined lifts, reciprocating conveyors, wheelchair lifts, inclined stairway chairlifts, private residence inclined stairway chairlifts and wheelchair lifts, their hoistways, and their appurtenances, in the City.

Sec. 906. Subsection (a) of Section 92.0104 of the Los Angeles Municipal Code is amended to read as follows:

(a) If two or more requirements of this Code are not identical or are in conflict, the most restrictive requirement shall govern. When there is a conflict between a general requirement and a specific requirement, the specific requirement shall govern.

Sec. 907. Section 92.0106 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0106. EQUIPMENT FOUND UNSAFE.

If, upon inspection of equipment covered by this Code such equipment is found in an unsafe condition, the Department shall thereupon serve a written notice of the findings upon the holder of the operating license and person having custody of the elevator stating the time and date by which recommended repairs must be completed except that where the work or repair required is in the nature of an emergency, the neglect of which would endanger human life, such work or repairs may be ordered to be done at once and the equipment ordered sealed and taken out of service.

Sec. 908. Subsection (a) of Section 92.0107 of the Los Angeles Municipal Code is amended to read as follows:

(a) The Department shall have the power to order the use of any equipment regulated by this Code discontinued for the following reasons:

(1) When in case of emergency, in the opinion of the Safety Engineer, any device covered by this Code is in a condition rendering it unsafe for operation.

(2) For willful failure to timely comply with a written notice issued by the Department.

(3) For failure to pay fees prior to the issuance of any permit to operate an elevator. Failure to obtain proper permits and to pay permit fees and inspection fee within 60 days after notification shall constitute cause for the Department to prohibit the use of the elevator.

Sec. 909. Subsection (c) of Section 92.0107 of the Los Angeles Municipal Code is amended to read as follows:

(c) The owner of any building for which equipment regulated by this Code is installed shall notify the Department in writing within 30 days of any change of ownership, managing company or change of address of the party responsible for the equipment or holder of the operating license for the equipment.

Sec. 910. Section 92.0111 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0111. APPROVAL OF PLANS AND EQUIPMENT.

No person shall construct, reconstruct or install any elevator, dumbwaiter, escalator and other equipment covered in this Code, without obtaining a permit from the Department prior to the commencement of such construction, reconstruction or installation. Before any permit is issued, plan drawings of the equipment intended to be constructed or installed shall be filed with the Department. If the plan drawings are in compliance with the provisions of this Code, the Department shall endorse thereon by stamping approval, and issuing a permit for the construction, reconstruction or installation of such equipment.

Sec. 911. Section 92.0112 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0112. RETROACTIVE PROVISIONS.

The provisions of the Code are not retroactive except as specifically provided; provided however, that any device covered by this Code, found to be in a dangerous condition, or if the design or method of operation in combination with devices used is considered inherently dangerous, or if there is an immediate hazard to those riding on or using such equipment, it shall be the duty of the Department to notify the holder of the operating license of such installation in writing of the existing condition and to order alterations or additions as the Department finds are necessary to eliminate the existing dangerous condition.

Sec. 912. Section 92.0113 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0113. AUTHORITY TO ENTER BUILDING OR PREMISE.

The authority of personnel of the Department to enter any building or upon any premise for the purpose of enforcing any provisions of or perform any duty imposed by this Code is set forth in LAMC Section 98.0105.

Any person refusing to comply with or assisting in the violation of any provision of this section shall be guilty of a misdemeanor as specified in LAMC Section 98.0105.

Sec. 913. The last sentence of Section 92.0116 of the Los Angeles Municipal Code is amended to read as follows:

For the purposes of this section, “**responsible party**,” shall mean any person having possession or custody of or authority or control over any premises whereon any equipment, or device mentioned in this Code is installed, whether as owner, lessee,

licensee, trustee, mortgagee, management company, or representative, officer, employer or agent thereof, or as building manager or custodian, or in any capacity whatsoever.

Sec. 914. Section 92.0117 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0117. ENFORCEMENT.

The Superintendent of Building shall have the authority to make rules and regulations and to fix safety standards and to provide for the proper enforcement thereof, as to any equipment or apparatus mentioned in this Code. The violation of or failure to comply with any of said rules and regulations or safety standards shall be deemed to be a violation of this Code and shall be punishable as a misdemeanor.

Sec. 915. Subsection (a) of Section 92.0119 of the Los Angeles Municipal Code is amended to read as follows:

(a) No person shall, without a Certificate of Registration from the Board of Examiners as a Journey-Level Elevator Mechanic, install, construct, repair, maintain, or reconstruct any elevator, wheelchair and inclined stairway chairlift, vertical reciprocating conveyor or related device regulated by this Code, or its parts, for which a permit is specifically required in LAMC Sections 92.0126 and 92.0129.

Sec. 916. The Exceptions to Section 92.0119 of the Los Angeles Municipal Code are amended to read as follows:

EXCEPTIONS:

1. A person who holds a Certificate of Registration from the Board of Examiners as a Wheelchair Lift Mechanic may install, construct, repair, maintain, or reconstruct any wheelchair and inclined stairway chairlift for which a permit is specifically required in LAMC Sections 92.0126 and 92.0129.

2. A person who holds a Certificate of Registration from the Board of Examiners as a Vertical Reciprocating Conveyors Mechanic may install, construct, repair, maintain, or reconstruct any vertical reciprocating conveyor for which a permit is specifically required in LAMC Sections 92.0126 and 92.0129.

Sec. 917. Subsections (c), (d), and (e) of Section 92.0119 of the Los Angeles Municipal Code are amended to read as follows:

(c) The term "Journey-Level Elevator Mechanic" or "Elevator Mechanic" for the purpose of this Code shall mean a person who is qualified and registered by the City to

perform or supervise performance of work installing, altering, repairing, servicing, adjusting, maintaining or inspecting all equipment within the scope of this Code.

(d) The term “Wheelchair Lift Mechanic” for the purpose of this Code shall mean a person who is qualified and registered by the City to perform or supervise performance of work installing, altering, repairing, servicing, adjusting, maintaining or inspecting limited to wheelchair lifts and inclined stairway chairlifts within the scope of this Code.

(e) The term “Vertical Reciprocating Conveyor Mechanic” for the purpose of this Code shall mean a person who is qualified and registered by the City to perform or supervise performance of work installing, altering, repairing, servicing, adjusting, maintaining or inspecting limited to vertical reciprocating conveyors within the scope of this Code.

Sec. 918. Subsection (b) of Section 92.0120 of the Los Angeles Municipal Code is amended to read as follows:

(b) Each application or registration as a Journey-Level Elevator Mechanic, Wheelchair Lift Mechanic or Vertical Reciprocating Conveyor Mechanic shall be filed with the Department. At the time of filing, the applicant shall pay a filing fee as specified in LAMC Section 98.0414(a).

Sec. 919. Section 92.0121 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0121. HELPERS OR APPRENTICES.

Each registered Journey-Level Elevator Mechanic, Wheelchair Lift Mechanic or Vertical Reciprocating Conveyor Mechanic may have assisting them in the performance of their duties, helpers or apprentices who shall not be required to be registered under the provisions of this Code; provided, however, that no helper or apprentice shall do or perform any work upon any elevator or its parts of the kind for which a permit is required by LAMC Sections 92.0126 and 92.0129, except when the registered Journey-Level Elevator Mechanic, Wheelchair Lift Mechanic or Vertical Reciprocating Conveyor Mechanic is actually upon the premises on which the work is being done and is personally supervising and directing the work of the helpers or apprentices.

Sec. 920. Subsection (b) of Section 92.0123 of the Los Angeles Municipal Code is amended to read as follows:

(b) The Department shall collect a fee as specified in LAMC Section 98.0414(a)3 from every applicant applying for a renewal of a Registration Certificate for a Journey-Level Elevator Mechanic, Wheelchair Lift Mechanic or Vertical Reciprocating Mechanic.

Sec. 921. Subsection (d) of Section 92.0117 of the Los Angeles Municipal Code is amended to read as follows:

(d) The periodic inspection fees for any conveyance not listed in Subsection (c), above, that is required to be inspected pursuant to this section, shall be based on similar devices as determined by LAMC Section 92.0202.

Sec. 922. Section 92.0127 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0127. SPECIAL ENFORCEMENT OF PROCEDURES FEES.

Whenever special enforcement procedures are required to obtain compliance with properly executed Department notices or orders, a fee, as specified in LAMC Section 98.0407, shall be assessed.

Sec. 923. The first sentence of Section 92.0128 of the Los Angeles Municipal Code is amended to read as follows:

Whenever any work for which a permit is required under the provisions of this Code has been commenced without the authorization of such permit, a special investigation shall be made before a permit may be issued for such work. In addition to the permit fee, an investigation fee shall be collected under LAMC Section 98.0402.

Sec. 924. The second sentence of Subsection (d) of Section 92.0129 of the Los Angeles Municipal Code is amended to read as follows:

The fees specified in this section shall be increased by 12.5% for all construction or work required to comply with Title 24, California Administrative Code, the state's handicapped access and adaptability requirements.

Sec. 925. Subsection (b) of Section 92.0130 of the Los Angeles Municipal Code is amended to read as follows:

(b) Plan checking fees shall be as follows:

- Dumbwaiter, each \$100.00
- Sidewalk elevators, each \$100.00
- Private residential elevator, each \$100.00
- Escalators and moving walks, each \$158.00
- Hydraulic elevator-Direct Plunger, each \$129.00
- Hydraulic Elevator-Cabled, each \$432.00
- Cabled elevators, each \$432.00
- Inclined elevator, each \$432.00
- Vertical Platform (Wheelchair) Lift, each \$100.00
- Inclined Platform (Wheelchair) Lift, each \$100.00

Stairway Chair Lift, each \$100.00
Material Lift, each \$129.00
Reciprocating Conveyer, each \$129.00
Rack and Pinion Elevator, each \$432.00

Covered in this list \$208.00/unit. If plan check time exceeds 2 hours, the Department will collect a plan check fee as specified in LAMC Section 98.0415(e).

Modernizations and Alterations \$208.00. If plan check time exceeds 2 hours, the Department will collect a fee as specified in LAMC Section 98.0415(e).

Sec. 926. Subsections (d) and (e) of Section 92.0130 of the Los Angeles Municipal Code are amended to read as follows:

(d) The Department may collect a plan check fee as specified in LAMC Section 98.0415(e) for the plan checking of any custom, specialized or non-standard elevator or related equipment, or for any elevator or related equipment not included in the above plan check schedule.

(e) **Off-hour Plan Check.** Upon request by an applicant and accepted by the Department, an off-hour plan check fee per LAMC Section 98.0422 may be collected.

Sec. 927. Section 92.0131 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0131. OFF HOURS INSPECTIONS.

The Department may, at its discretion, make emergency inspections at other than normal working hours, upon the request of a permittee, provided that additional fees are paid as specified in LAMC Section 98.0406.

Sec. 928. The last sentence of Subsection (b) of Section 92.0132 of the Los Angeles Municipal Code is amended to read as follows:

No repair, replacement, alteration or modification permit shall allow any person to alter the type or design of the installation, and in the event that the work is of a nature that would alter the type, design or purpose of the installation, then a permit shall be obtained pursuant to the provisions of LAMC Section 92.0129.

Sec. 929. Subsection (d) of Section 92.0127 of the Los Angeles Municipal Code is amended to read as follows:

(d) The fee for any repairs, replacements, alterations or modifications for which a permit is required, but for which no fee is provided here, shall be as provided under LAMC Section 92.0129 or Section 92.0132(b).

Sec. 930. Subsections (b) and (c) of Subsection 92.0132.1 of the Los Angeles Municipal Code are amended to read as follows:

(b) A fee as specified in LAMC Section 98.0412(b) shall be paid for each additional inspection trip in excess of the two trips allowed in Subsection (a) of this Subsection.

(c) The fees charged under this section are in addition to any other fees shown in this division, and the payment of the fees required by this section shall not exempt any person from compliance with other provisions of this Code, nor from any penalty prescribed by law.

Sec. 931. Section 92.0133 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0133. APPROVALS.

All elevator equipment, including controls, doors, interlocks, machinery, governor, safety devices, switches and any other devices designed for the operation of the equipment governed by this Code shall be approved by the Superintendent of Building before they may be installed or used. The Superintendent of Building shall have the authority to establish rules and regulations in connection with installation and use of all listed equipment and any other devices designed for the operation of the equipment governed by this Code.

Sec. 932. Section 92.0134 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0134. RESPONSIBILITY OF OWNERS, LESSEES, MANAGERS, ETC.

(a) It shall be unlawful for any person having possession or custody of or authority or control over any premises whereon any equipment or device mentioned in this Code is installed, whether as owner, lessee, licensee, trustee, mortgagee, management company, or representative, officer, employer or agent thereof, or as building manager or custodian, or in any capacity whatsoever:

1. To permit on such premises the installation of any elevator or other equipment or device for which a permit is required by this Article unless such permit shall first have been obtained from the Department.

2. To permit on such premises the doing of any work for which a Certificate of Registration is required by this Article except by a person holding such Certificate.

3. To use or permit the use of any elevator or other equipment or device required by this Article to be inspected and approved by the Department unless such equipment shall first have been inspected and approved and all fees paid.

4. To use or permit the use of any elevator, equipment or device the use or operation of which has been prohibited by the Department.

5. To obstruct or interfere with the Department or any Safety Engineer thereof in making any inspection required by law or ordered by the Superintendent of Building.

(b) Any person having possession or custody of or authority or control over any premises whereon any equipment or device mentioned in this Code is installed, whether as owner, lessee, licensee, trustee, mortgagee, management company, or representative, officer, employer or agent thereof, or as building manager or custodian, or in any capacity whatsoever shall be responsible to install and maintain the following signs:

1. Elevators

A. A sign of durable material with letters of not less than 1/8 inch (3.175 mm) in height shall be posted in each elevator machine room displaying the telephone number or numbers to call for emergency service. The number or numbers shall be for an individual possessing a current Journeyman Elevator Mechanic Certificate issued by the City or elevator service company employing an individual so certified. The person or company must be able to provide service at the hours the elevators are expected to be operating. A similar sign shall be posted in the building manager's premises or other appropriate location.

B. A sign shall be posted in each elevator car in letters of not less than 1/8 inch (3.175 mm) in height instructing passengers on the procedure for seeking assistance should the elevator become inoperative and instructing them to remain in the car until assistance arrives and not to attempt to force the doors or hatch open.

2. Escalators. All escalators shall have conspicuously displayed at each entrance a sign of durable material in accordance with ASME 17.1-1996, Rule 805.9.

3. **Landings.** An approved pictorial sign of a standardized design shall be posted adjacent to each elevator corridor call station to indicate that, in case of fire, the elevator will not operate and the exit stairways should be used. The pictograph shall be at least 5 inches (127 mm) wide and 8 inches (230 mm) high. (See ASME A-17.1-96, Appendix H).

Sec. 933. Section 92.0135 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0135. POWERS OF DEPARTMENT AND BOARD.

The powers of the Department and the Board are enumerated in LAMC Section 98.0403.

Sec. 934. Section 92.0136 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0136. APPEALS.

Appeals or requests for slight modifications in individual cases from the requirements of this Code shall be made in accordance with the procedures established in LAMC Section 98.0403.

Sec. 935. Section 92.0137 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0137. EXPIRATION OF PERMIT AND PLAN CHECK.

Permits and plan checks shall expire as provided in LAMC Sections 98.0602, 98.0603 and 98.0604.

Sec. 936. Section 92.0140 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0140. PROCEDURE FOR REVOCATION OR SUSPENSION.

Any suspension or revocation authorized herein shall be done in accordance with the provisions of Article 8, Chapter IX of the LAMC.

Sec. 937. Section 92.0141 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0141. ALTERNATE MATERIALS AND METHODS OF CONSTRUCTION.

New or alternate materials and methods of construction may be approved by the Department in accordance with the provisions of Article 8, Chapter IX of the LAMC.

Sec. 938. Section 92.0203 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 92.0203. SECTIONS NOT ADOPTED FROM THE CALIFORNIA CODE OF REGULATIONS.

The following sections from the California Code of Regulations, Title 8, Division 1, Chapter 4, Subchapter 6 are not adopted:

Section 3001 (a) (1), (2), (3), (4) and (5) - See Division 1, Part 2 of Article 2, Chapter IX of the LAMC (Elevator Code).

Section 3001 (b) (4)

Section 3001 (c) (3) thru (6).

Sec. 939. The second sentence of Section 92.0206 of the Los Angeles Municipal Code is amended to read as follows:

The Department shall serve a written notice of the findings upon the holder of the operating license stating the time when recommended repairs or replacements must be completed. In cases of immediate urgency, such work or repairs may be ordered to be done at once, and the elevator unit sealed and taken out of service.

Sec. 940. Subsection (a) and the Exception to Section 92.0207 of the Los Angeles Municipal Code are amended to read as follows:

(a) Access to Pits.

(1) Access to pits extending 2 feet (609.6 mm) or more below the sill of the pit access door shall be by means of a permanent ladder or stairway of incombustible material. The ladder or stairway shall be adequately guarded to prevent contact between a person on the ladder or stairway and any moving part of any adjacent elevator machinery. The ladder shall extend at least 36 inches (914.4 mm) above the sill or the access door unless handgrips are provided to the same height. The ladder shall be located adjacent to the strike jamb of and accessible from the access door to the pit. The distance from the ladder rung to the wall shall be at least 4 inches (101.6 mm). Access to pits of elevators in multiple hoistways may be by means of a single hoistway door and ladder.

(2) Vertical ladders shall not be permitted in pits having a depth of more than 12 feet (3657.6 mm) below the lowest hoistway door sill. A separate access door shall be provided for pit access.

(3) When the means of determining the oil level of the car or counterweight buffers is located more than 7 feet (2133.6 mm) above the pit

floor, a permanent steel platform and ladder shall be provided for inspection and maintenance of the buffer.

(4) If the pit access door is contacted, a sign shall be posted reading, "DOOR CONTACTED" or equivalent.

EXCEPTION: The elevator pit access door has a vision panel of at least 6 inches by 8 inches (152.4 mm x 203.2 mm).

Sec. 941. Subsection (f) of Section 92.0207 of the Los Angeles Municipal Code is amended to read as follows:

(f) **Clearance Between Balustrade and Steps.** (This requirement is in lieu of Rule 802.3(e) of ASME A17.1-1996). The clearance on either side of the steps between the steps and the adjacent skirt guard shall be not more than 3/16 inch (4.76 mm), and the sum of the clearance on both sides shall be not more than 1/4 inch (6.35 mm).

Sec. 942. Subsections (h) and (i) of Section 92.0207 of the Los Angeles Municipal Code are amended to read as follows:

(h) **Electrical Code.** Electrical equipment, devices and wiring shall conform to Article 3, Chapter IX of the LAMC (Electrical Code).

(i) **Hoistway Door Vision Panels.** (This requirement is in addition to the requirements of Rule 110.7(a) through (g) ASME A17.1).

All passenger elevator hoistway doors containing glass (including vision panels) are required to be covered within 60 days after notification by the Department.

The elevator hoistway door glass panels shall be covered as follows:

1. The covering shall be a minimum of 1/8 inch (3.175 mm) thick steel plate or expanded steel sheet metal having sufficient holes or perforations to determine the location of the elevator car;
2. The holes or perforations shall not exceed 1 inch (25.4 mm) across;
3. Installations of the steel plates or sheet metal coverings shall be made with welds or bolts (carriage type) installed with the nuts on the hoistway side to discourage the unauthorized dismantling of the installation;
4. The installation shall not have protruding parts nor shall any of the parts have sharp edges.

Sec. 943. The Exceptions to Section 92.0207 of the Los Angeles Municipal Code are amended to read as follows:

EXCEPTIONS:

1. Plates of special design, such as those that swing out or provide quick removal for cleaning the glass, may be approved after details of the proposed installation are submitted to the Department for consideration.

2. Plates designed with a multitude of holes or perforations, not larger than 1/8 inch (3.175 mm) each, may be used in lieu of the glass in vision panels.

3. Glass hoistway doors meeting the requirements of ASME A17.1-1996, Rule 110.7b.

Sec. 944. Subsection (j) of Section 92.0207 of the Los Angeles Municipal Code is amended to read as follows:

(j) **Vision Panels.** (This requirement is in addition to the requirements of Rule 204.2(e) Subsections 1 through 4 of ASME A17.1). All passenger elevator car doors containing glass vision panels are required to be covered in the manner prescribed in LAMC Section 92.0207(i) for hoistway door vision panels.

Sec. 945. Subsections (b) and (c) of Section 92.0302 of the Los Angeles Municipal Code are amended to read as follows:

(b) **Machine and Controls.** Machine and controls shall be located as follows:

1. Machines, controls and disconcerting means shall not be mounted on cars, and shall be located outside of the hoistway in spaces dedicated to the elevator equipment.

2. The machine room shall have a head clearance of at least 7 feet (2133.6 mm), and shall be provided with permanent electric lighting and a duplex receptacle rated at not less than 15A at 120V.

3. Required workspace clearance for elevator control and/or machinery spaces shall be located entirely within the interior of the building.

(c) **Maintenance.** The owner shall develop, implement, and maintain a written maintenance program for Private Residence Inclined Elevators in accordance with the manufacturer's recommendations. The maintenance shall be performed by a registered Journey-Level Elevator Mechanic as required by LAMC Section 92.0119. A log of all repairs and maintenance shall be kept at the location.

Sec. 946. Subsections (d) and (e) of Section 92.0304 of the Los Angeles Municipal Code are amended to read as follows:

(d) **Projections or Setbacks in the Hoistway.** Any projection or setbacks in the hoistway shall comply with ASME A17.1-2004, Section 2.1.6 except Rule 2.1.6.2(b) and Rule 2.1.6.2(d) where projections or setbacks allow 4 inches (101.6 mm), this shall be reduced to 2 inches (50.8 mm).

(e) **Glass used in a Hoistway of a Non-Fire Resistive Construction.** Glass used in the hoistway shall comply with ASME A17.1-2004, Rule 2.1.1.2.1, Rule 2.1.1.2.2(d) and Rule 2.1.1.5 and shall also comply with the following.

1. Entrance into the bottom (below car) of the hoistway or at the top (above car) of the hoistway for cleaning and maintenance purposes shall comply with ASME A17.1-2004, Rule 5.2.1.4.2 (Bottom) and Rule 5.2.1.4.4 (top).

2. The cleaning and maintenance of the glass in the hoistway shall comply with the following.

(i) The cleaning of glass car enclosure and/or hoistway enclosures from inside the hoistway shall be performed by a City of Los Angeles Licensed Journey Level Elevator Mechanic as required by LAMC Section 92.0119 and employed by a State of California C11 Licensed Elevator Company.

(ii) A written cleaning procedure shall be developed by the original installation elevator company, and kept on the premises where the elevator controller is located. The procedure shall identify the hazards and shall also detail safety precautions to be utilized.

(iii) A maintenance data plate with lettering a minimum size of 6.35 mm (0.25 inch) high on a contrasting background shall be fastened in a conspicuous place inside the elevator stating: "ALL MAINTENANCE OF ELEVATOR, INCLUDING THE CLEANING OF GLASS, SHALL BE PERFORMED AS REQUIRED BY L.A.M.C. Section 92.0119.

(iv) A copy of the glass cleaning procedure from the original elevator installation company, on the original elevator installation company's letterhead, shall be made available on the acceptance inspection to the LADBS Elevator Division.

Sec. 947. Section 93.0101 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0101. TITLE.

This article shall be known as the "**Los Angeles Electrical Code**," a portion of the "**Los Angeles Municipal Code**." Wherever the word "**Code**" is used in this article, it shall mean the "**Los Angeles Electrical Code**" and whenever "**LAMC**" is used, it shall refer to the "**Los Angeles Municipal Code**." References to the "**CEC**" and the "**CBSC**" shall mean the 2013 "**California Electrical Code**" and the 2013 "**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. 948. Subsection (b) of Section 93.0102 of the Los Angeles Municipal Code is amended to read as follows:

(b) Whenever compliance with the provisions of this Code fail to reduce the demonstrable hazards due to electrical causes to an acceptable level and the hazard is such that the time required to effect a change through normal processes would not be in the common interest, the Superintendent of Building may require additional safeguards to meet the intent and purpose of this Code.

Sec. 949. Subsection (a) of Section 93.0105 of the Los Angeles Municipal Code is amended to read as follows:

(a) If two or more pertinent limitations are not identical, the most restrictive requirement shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall govern.

Sec. 950. Subdivision 6 of Subsection (a) of Section 93.0107 of the Los Angeles Municipal Code is amended to read as follows:

6. An illuminating device or devices which produce illumination in excess of what is permitted in California Vehicle Code Section 21466.5.

Sec. 951. Subdivision 5 of Subsection (b) of Section 93.0107 of the Los Angeles Municipal Code is amended to read as follows:

5. Lights that are provided in compliance with LAMC Section 12.21 A.5.(k), Subsection 91.6305.2 and Section 91.8607.

Sec. 952. Subdivisions 4, 5, and 6 of Subsection (b) of Section 93.0108 of the Los Angeles Municipal Code are amended to read as follows:

4. Service laterals and their raceways where installed under not less than 2 inches (50.8 mm) of concrete beneath a building or other structure and not located in a hazardous location; and

5. All service wiring located within a customer owned station and the high voltage conductors to such station which have all enclosing conduit encased in 3 inches (76.2 mm) of concrete; and

6. Service conductors and raceways encased in not less than 2 inches (50.8 mm) of concrete, or raceways that are not concealed, which extend from an interior station to service equipment located adjacent to the station; and

Sec. 953. Subsection (g) of Section 93.0108 of the Los Angeles Municipal Code is amended to read as follows:

(g) **Hazardous Locations Not Exempted.** The foregoing exceptions from the requirements of this Code shall not apply to any electric wiring located in an area classified as a hazardous location by CEC Article 500.

Sec. 954. Section 93.0109 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0109. EXISTING CONSTRUCTION.

Except as specified in LAMC Section 93.0111 and Subsection (f) of LAMC Section 93.0311, nothing contained in this Code shall be construed to curtail the uses of, nor to require any person to reinstall, reconstruct, alter, change or remove any electric wiring or equipment which had complied with the laws and regulations in effect at the time of installation.

Sec. 955. The first sentence of Subsection (a) of Section 93.0110 of the Los Angeles Municipal Code is amended to read as follows:

In any building relocated from one place to another within the City and any one-family, two-family or multi-family dwelling moved into the City, may retain the existing electrical wiring provided any such residential building does not become or continue to be a substandard residential building or residential building subject to repair, as those terms are defined in the LAMC.

Sec. 956. Section 93.0111 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0111. CHANGE OF OCCUPANCIES.

(a) Any building or portion of a building in which there has been a change of occupancy or location, after July 1, 1986, to one of the following, shall be wired in accordance with this Code. (See LAMC Section 91.8203.).

1. Locations defined by CEC Division 500 or this Code as hazardous locations.
2. Occupancies defined in Article 1, Chapter IX of the LAMC, and which are required by Article 7, Chapter V, of the LAMC or where the owner or designer has installed a fire alarm system.
3. Occupancies where the new occupant load exceeds the original or previous value in the building. The occupant load is determined according to the provisions of this Code.
4. Occupancies where the proposed new load density exceeds that of the original or previously used space. Load density is determined based on the load per square foot of area under consideration for the permit.

(b) When the Inspection or Engineering and Permit Bureau of the Department determines by field verification that the extent of damage to a building or structure exceeds 50 percent, the electrical systems in the entire structure shall be reinstalled to comply with the current provisions of CEC Chapter 3.

EXCEPTION: The provisions of this section shall not require the replacement of existing raceways, outlet boxes and similar electrical equipment that are suitable for the location and occupancies involved, not damaged and meet current provisions of CEC Chapter 3.

Sec. 957. Section 93.0114 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0114. RIGHT OF ENTRY.

Right of entry shall be governed by the provisions of LAMC Section 98.0105.

Sec. 958. Section 93.0115 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0115. CODE ARRANGEMENT.

CEC Chapters 1, 2, 3 and 4 and the tables of Chapter 9 apply as general rules. CEC Chapters 5, 6 and 7 apply to special occupancies, special equipment or their special conditions and supplement or modify the general rules. CEC Chapter 8 covers communication systems and is not subject to the requirements of CEC Chapters 1 through 7 except where specifically referenced in CEC Chapter 8.

Sec. 959. Paragraph 3 of the Exceptions to Section 93.0117 of the Los Angeles Municipal Code is amended to read as follows:

3. Any new or existing tennis or paddle tennis court exterior light source which conforms to the following:

A. Tennis courts shall be lighted by a maximum of eight horizontally mounted, rectilinear-type, sharp cut-off fixtures shielded in such a manner that the light source cannot be viewable from abutting residential properties. Lamps shall be of the metal halide type of not more than 1,000 watts each, mounted at a height of 20 feet (6.09 m) or less above the court surface and produce not more than 50 footcandles (538 lx) of lighting intensity on the court surface.

B. Paddle Tennis Courts shall be subject to all the provisions of Subparagraph 3A, except that the number of fixtures shall be limited to four.

C. Tennis or Paddle Tennis Court lights shall not be turned on or left on between the hours of 10:00 p.m. and 7:00 a.m., Monday through Friday, and between the hours of 10:00 p.m. and 8:00 a.m., Saturday and Sunday.

D. The light source intensity at locations indicated in this section shall not exceed three footcandles (32.3 lx).

Sec. 960. Paragraph 9 of the Exceptions to Section 93.0117 of the Los Angeles Municipal Code is amended to read as follows:

9. Lights that are provided in compliance with LAMC Section 12.21 A.5.(k), Subsection 91.6305.2 and Section 91.8607.

Sec. 961. Subsection (c) of Section 93.0117 of the Los Angeles Municipal Code is amended to read as follows:

(c) The owner of property with any existing light source shall bring such light source into compliance with this section upon receipt of written notice from the Department.

Sec. 962. Subdivision 4 of Subdivision (a) of Section 93.0202 of the Los Angeles Municipal Code is amended to read as follows:

4. Repair or replacement of fixed motors or fixed appliances, supplied by branch circuits not exceeding 20 amperes and not exceeding 240 volts nominal, of the same type and rating in the same location where not located in an area classed as "**hazardous**" under CEC Article 500.

Sec. 963. Subdivision 13 of Subsection (a) of Section 93.0202 of the Los Angeles Municipal Code is amended to read as follows:

13. The following electrical wiring:

(i) Non-required signaling circuits supplied by an approved Class 2 limited power source, capable of supplying not more than 30 volts and 100 volt-amperes; and

(ii) Non-required communication circuits which have the power limited in accordance with CEC Section 725.121; and

(iii) Non-required amplifier output circuits which are permitted by CEC Section 640.9(C) to employ Class 2 or Class 3 wiring; and

(iv) Any non-required circuit which operates at 15 volts or less and does not generate, transmit, transform, utilize or control more than 25 watts or volt-amperes of electric power.

Provided the wiring for any of the above items is not located in any of the following locations:

- a. Area classified as "hazardous" under CEC Article 500; or
- b. Appurtenant to a required fire alarm and signaling system as classified under CEC Article 760; or
- c. Penetrating any fire-resistive wall or floor system; or
- d. In a plenum, duct or other space used for environmental air including access floors.

Sec. 964. Subdivisions 16 and 17 of Subsection (a) of Section 93.0202 of the Los Angeles Municipal Code are amended to read as follows:

16. Any electric wiring, except wiring located in an area classified as “**hazardous**” under CEC Article 500 after the branch circuit distribution panelboards used exclusively to supply or interconnect equipment installed, owned, operated or maintained by a communication public utility and used exclusively for communication purposes, in the exercise of its communication public utility functions within the communication public utility controlled areas.

17. The replacement of defective smoke detectors in a single-family dwelling when the work is performed by a contractor with a valid Certificate of Registration pursuant to LAMC Subsection 91.1704. A Certificate of Compliance pursuant to LAMC Subsection 91.108.12 must be filed with the City in lieu of a permit.

Sec. 965. Subsection (c) of Section 93.0202 of the Los Angeles Municipal Code is amended to read as follows:

(c) The foregoing exceptions from permit requirements shall not be deemed to allow any electric wiring to be done in a manner contrary to other provisions of this Code.

Sec. 966. The Exception to Section 93.0203 of the Los Angeles Municipal Code is amended to read as follows:

EXCEPTION: Where the wiring exceeds the amount described in the original permit, the Department is authorized to make such additional inspection as is required and collect a supplementary fee for the supplemental permit system subject to the following provisions:

1. The fees charged shall be the difference in cost between the total fees due upon final inspection and fees paid at the time of the original application for inspection.
2. A fee as specified in LAMC Section 98.0415(d) shall be paid for issuing the supplemental permit. The fee required by this section shall be in addition to fees required elsewhere in the LAMC.
3. All fees shall apply only to that work installed for the same person as the “owner” in the permit.
4. All fees shall apply to installations where work has not been discontinued for a continuous period of more than 180 days.

Sec. 967. Subsection (b) of Section 93.0204 of the Los Angeles Municipal Code is amended to read as follows:

(b) The application shall be accompanied by approved plans and specifications or a suitable diagram when and as required by LAMC Section 93.0206.

Sec. 968. Subdivisions 3 and 4 of Subsection (b) of Section 93.0206 of the Los Angeles Municipal Code are amended to read as follows:

3. All health care facilities within the scope of CEC Article 517.

4. A new building or an addition to a building if the computed area exceeds 30,000 square feet (2,787 m²), any installation if the total 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 (1828.8 mm).

Sec. 969. Subsection (e) of Section 93.0206 of the Los Angeles Municipal Code is amended to read as follows:

(e) Every plan shall be a print or other type of plan approved by the Department. The information contained on a plan shall be clearly legible and specifically indicated, and shall comply with LAMC Section 93.0207. No plan for electrical wiring in a building shall be of a scale smaller than 1/8 inch (3.2 mm) per foot unless a smaller scale is approved by the Department. Symbols satisfactory to the Department shall be used on all plans.

Sec. 970. Subsection (i) of Section 93.0206 of the Los Angeles Municipal Code is amended to read as follows:

(i) A Plan Check may be expired within the time limit specified in LAMC Section 98.0603.

Sec. 971. Subsection (e) of Section 93.0207 of the Los Angeles Municipal Code is amended to read as follows:

(e) The dimensions of all pull or junction boxes larger than 4 inches (101.6 mm) trade size.

Sec. 972. Subsection (m) of Section 93.0207 of the Los Angeles Municipal Code is amended to read as follows:

(m) The existing load, as calculated in accordance with CEC Articles 210 and 220 or by other methods satisfactory to the Department, shall be indicated for existing installations having alterations or additions made to them.

Sec. 973. The second and third sentences of Section 93.0208 of the Los Angeles Municipal Code are amended to read as follows:

Upon authorization, the new permittee shall file with the Department a new permit and pay to the Department a fee as specified in LAMC Section 98.0415 for issuing the new permit. This fee includes the issuing permit fee specified in Subsection (b) of LAMC Section 93.0213.

Sec. 974. Section 93.0209 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0209. REVOCATION OF PERMITS.

Permits may be revoked as provided for in LAMC Section 98.0601.

Sec. 975. Paragraph 1 of the Exceptions to Section 93.0210 of the Los Angeles Municipal Code is amended to read as follows:

1. A permit for a main building for a dwelling occupancy may include electric wiring for an accessory building having a floor area of 1,000 square feet (92.90 m²) or less located on the same premises as the main building and supplied by a feeder or circuit from the main building.

Sec. 976. Section 93.0212 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0212. INVESTIGATION FEE.

Whenever any work, for which a permit is required under the provisions of this Code, has been commenced without the authorization of such permit, a special investigation shall be made before a permit may be issued for such work. In addition to the permit fee, an investigation fee shall be collected. (For fee charge, see LAMC Section 98.0402.)

Sec. 977. Subsection (b) of Section 93.0213 of the Los Angeles Municipal Code is amended to read as follows:

(b) An issuing fee as specified in LAMC Section 98.0415(c) shall be paid for issuing each permit. The fee required by this subsection shall be in addition to fees required elsewhere in this Code.

Sec. 978. Subsection (d), the Exceptions and Subsection (e) of Section 93.0213 of the Los Angeles Municipal Code is amended to read as follows:

(d) Fees shall be paid for new branch circuits as prescribed in LAMC Section 93.0214.

EXCEPTIONS:

1. Fees prescribed in LAMC Section 93.0216 shall be paid for new branch circuits for the supply of motors, transformers, heating appliances, studio effects lighting and miscellaneous equipment or appliances not specifically set forth in LAMC Section 93.0214.

2. Fees prescribed in LAMC Section 93.0223 shall be paid for each swimming pool.

3. Fees for new branch circuits supplying signs and gas tube systems shall be paid as prescribed in LAMC Section 93.0222.

4. Fees prescribed in LAMC Section 93.0215 shall be paid for new branch circuits supplying temporary lighting.

(e) Where otherwise not covered in this Code, fees shall be paid for outlets, lighting fixtures, appliances, motors, or other utilization equipment added to existing branch circuits as prescribed in LAMC Section 93.0215.

Sec. 979. Section 93.0214 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0214. FEES FOR NEW GENERAL USE BRANCH CIRCUITS.

(a) The fees prescribed in this section apply to new branch circuit wiring and the lighting fixtures, switches, receptacles, appliances or other utilization equipment permitted to be supplied by these branch circuits. Fees shall also be collected for branch circuits which are temporarily installed for trade shows or carnivals and shall be 50% of the fees prescribed in this section.

The term lighting as used in this section applies to general illumination, outdoor and similar lighting except as provided in LAMC Section 93.0216 for studio stage effects lighting and in LAMC Section 93.0215 for temporary lighting.

FEES FOR NEW GENERAL USE BRANCH CIRCUITS

Rating Type or Use of Branch Circuits	Fees for Each Branch Circuits
15 or 20 ampere 120V lighting or general use receptacle; and dwelling appliances 15 to 50 amperes; and non-dwelling motors or appliances supplying aggregate loads not exceeding 3HP or K.V.A.*	
1 to 10 branch circuits inclusive	\$17.00 Ea.
11 to 40 branch circuits	16.00 Ea.
41 or more branch circuits	15.00 Ea.
15 or 20 ampere 208V to 277V lighting	30.00 Ea.
All other lighting branch circuits 600 V or less	36.00 Ea.

* The fees are prescribed in LAMC Section 93.0216 shall be charged for equipment loads exceeding those set forth in this section.

(b) For the purposes of this section, each ungrounded conductor of a multi-wire branch circuit is counted as one circuit.

EXCEPTION: Individual multi-wire branch circuits supplying one appliance may be counted as one circuit.

(c) For the purposes of this section, three-phase lighting branch circuits are counted as two branch circuits.

Sec. 980. Subsection (e) of Section 93.0215 of the Los Angeles Municipal Code is amended to read as follows:

(e) For the purpose of determining fees, each 5 feet (1524 mm) or fraction thereof of multioutlet assemblies or continuous incandescent trough lighting fixtures shall be considered equivalent to one unit.

Sec. 981. Subdivision (h) of Section 93.0215 of the Los Angeles Municipal Code is amended to read as follows:

(h) A fee of one unit for the outlet shall be charged for each outdoor lighting standard used for floodlighting, or for each conduit used for floodlights on buildings or structures.

Sec. 982. Subdivision (k) of Section 93.0215 of the Los Angeles Municipal Code is amended to read as follows:

(k) The fee for permanent yard lighting shall be twice the amount prescribed in Subsection (a) above. The fee for any temporary yard lighting other than lampholders connected to open wiring shall be that prescribed for permanent wiring.

Sec. 983. The Exception to Section 93.0217 of the Los Angeles Municipal Code is amended to read as follows:

EXCEPTION: Communications equipment installed, owned or operated and maintained by a communications public utility and exempt under the provisions of LAMC Section 93.0108(c).

Sec. 984. Subsections (b) and (c) of Section 93.0219 of the Los Angeles Municipal Code are amended to read as follows:

(b) The fee for lighting fixtures, motors and other equipment which are plugged in shall be that given in LAMC Sections 93.0214 and 93.0216 and shall be in addition to the fees required by this section. Portable hand tools are not included.

(c) The fee for the inspection of the circuit supplying the busway, power duct, trolley duct and cable bus and similar equipment shall be that given in LAMC Sections 93.0214 and 93.0216 and shall be in addition to the fees required by this section.

Sec. 985. Section 93.0220 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0220. MINIMUM INSPECTION FEE.

A minimum fee as specified in LAMC Section 98.0412(a) must be paid to the Department for each electrical installation for which a permit is required by this Code. Where the cumulative equipment fees described in this division total less than the minimum fee required by this section, the minimum fee shall be paid. The fee required by this section shall be in addition to the issuing fee required by Subsection (b) of LAMC Section 98.0415(c).

Sec. 986. Subsection (a) of Section 93.0224 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

(a) The fee for any electric wiring for which a permit is required, but for which no fee is provided herein, shall be as specified in LAMC Section 98.0412(c), provided, however, that no such fee shall be charged when a fee is paid for one or more outlets, fixtures, motors, appliances or other equipment. The fee is in addition to the permit fee under Subsection (b) of LAMC Section 93.0213.

Sec. 987. The last unnumbered paragraph of Subsection (b) of Section 93.0214 of the Los Angeles Municipal Code is amended to read as follows:

A miscellaneous inspection fee as specified in LAMC Section 98.0412(c) shall be paid for the inspection and shall be limited to one inspection and one reinspection trip. This fee is in addition to the permit fee specified in LAMC Section 93.0213(b).

Sec. 988. Section 93.0227 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0227. FEES FOR CHANGING ADDRESS.

Whenever it shall become necessary to make an extra inspection trip because the applicant has given an incorrect or wrong location when obtaining a permit required by the Code, a fee as specified in LAMC Section 98.0415(a) shall be paid for correcting the address location in such permit.

Sec. 989. The second sentence of Section 93.0228 of the Los Angeles Municipal Code is amended to read as follows:

Fees as required elsewhere shall be paid before any other electrical wiring installed except that necessary to connect the existing electrical wiring to the grounding electrode.

Sec. 990. Subsection (b) of Section 93.0229 of the Los Angeles Municipal Code is amended to read as follows:

(b) If more inspection trips than are specified in Subsection (a) of this section are required due to fault or error on the part of the qualified installer or his employees, an additional fee as specified in LAMC Section 98.0412(b) shall be paid for each such additional inspection trip.

Sec. 991. Subsections (e) and (f) of Section 93.0229 of the Los Angeles Municipal Code are amended to read as follows:

(e) The fees charged under this section are in addition to any other fees shown in this Code and the payment of the fees required by this section shall not exempt any person from compliance with other provisions of this Code, nor from any penalty prescribed by law.

(f) Whenever special enforcement procedures are required to obtain compliance with properly executed Department notices or orders, a fee, as specified in LAMC Section 98.0407, shall be assessed in addition to the added trip fee specified in Subsection (b) of this section.

Sec. 992. Subsections (b) and (c) of Section 93.0230 of the Los Angeles Municipal Code are amended to read as follows:

(b) **Special Equipment.** The Department may inspect special equipment which is exempt from approval as set forth in the Exceptions to LAMC Section 93.0402 upon application therefor by the owner or lessee of the equipment.

The fees for a special equipment inspection shall be charged at the rate as specified in LAMC Section 98.0412(d) per hour for each inspector. The fee required by this section shall be in addition to the fees required elsewhere in this Code.

(c) **Existing Buildings.** The owner may apply for inspection of the electric wiring in an existing building. The inspector shall notify the owner of any alterations necessary. A Certificate of Inspection will be issued to the building owner when all applicable CEC and Los Angeles Electrical Code requirements are met. Fees for that inspection shall be paid as provided in Subsection (b) of this section for Special Equipment Inspection.

Where a reinspection is required in order to authorize the serving agency to reconnect an existing service, an owner may apply for inspection in accordance with the above. A fee equal to 50% of those specified in Subdivision (b) of this section shall be paid.

Sec. 993. Subsections (b) and (c) of Section 93.0233 of the Los Angeles Municipal Code are amended to read as follows:

(b) The plan check fee shall be 80 percent of the fees specified in LAMC Sections 93.0214 through 93.0233 for each of the items shown on the plans, with a minimum fee of \$90.00.

(c) A fee of \$13.00 per 1,000 square feet (92.90 m²) or major fraction thereof, of the floor, illuminated building façade, and display surface areas which is required to comply with the rules and regulations adopted by the California Energy Commission shall be charged for plan checking for conformity to such rules and regulations. The minimum fee shall not be less than \$69.00. The fee required here shall be in addition to those fees required by Subsection (b), above. This fee shall not be subject to the percentage set forth in Subsection (b), above.

Sec. 994. Subsections (f), (g), and (h) of Section 93.0233 of the Los Angeles Municipal Code are amended to read as follows:

(f) Electrical installations for which plan checking fees are not specified in the fee schedules or when a plan received more than three sets of corrections shall be checked and a fee shall be paid as specified in LAMC Section 98.0415(e).

(g) In addition to the fees charged under Subsection (a) of LAMC Section 93.0217 and Subsection (b) of LAMC Section 93.0233, when replacing, installing or relocating each fire alarm and signaling system, communication, control or signal system equipment, or portion thereof, the Department may collect a plan check fee as specified in LAMC Section 98.0415(e).

(h) **Off-hour Plan Check.** Upon request by an applicant and accepted by the Department, an off-hour plan check fee per LAMC Section 98.0422 may be collected.

Sec. 995. Subsection (b) of Section 93.0235 of the Los Angeles Municipal Code is amended to read as follows:

(b) The fees for conducting or witnessing an annual test for each existing emergency system, other than unit equipment, shall be prescribed in Table A of this section.

Sec. 996. The last sentence of Subsection (c) of Section 93.0235 of the Los Angeles Municipal Code is amended to read as follows:

When systems are found to be defective and additional inspection trips are required, added trip fees shall be paid as specified in LAMC Section 93.0229.

Sec. 997. Subdivision 1 of Subsection (d) of Section 93.0235 of the Los Angeles Municipal Code is amended to read as follows:

1. It is found that the tests and maintenance prescribed in CEC Article 700 are not being accomplished; or

Sec. 998. Subsection (a) of Section 93.0240 of the Los Angeles Municipal Code is amended to read as follows:

(a) An annual registration fee as specified in LAMC Section 98.0414(b)2 shall be paid for premises covered by a maintenance certificate of registration.

Sec. 999. Section 93.0242 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0242. FEES FOR CERTIFICATE OF QUALIFICATIONS.

(a) Every applicant for Certificate of Qualification shall file an application and shall pay a fee specified in LAMC Section 98.0414(a)1.

An additional fee as specified in LAMC Section 98.0414(a)2 shall be required for each subsequent application and examination if the applicant fails to pass the first time.

(b) An annual renewal fee as specified in LAMC Section 98.0414(a)3 shall be paid within 30 days of expiration.

Sec. 1000. The second sentence of Section 93.0243 of the Los Angeles Municipal Code is amended to read as follows:

A fee as specified in LAMC Section 98.0412(e), in addition to fees charged elsewhere in this Code, shall be charged for such inspections.

Sec. 1001. Section 93.0301 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0301. POWERS OF DEPARTMENT AND BOARD.

The powers of the Department and the Board are those enumerated in LAMC Subsection 98.0403.1.

Sec. 1002. Section 93.0302 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0302. APPEALS.

Appeals or requests for slight modifications in individual cases from the requirements of this Code shall be made in accordance with the procedure established in LAMC Subsection 98.0403.2.

Sec. 1003. Section 93.0303 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0303. NEW MATERIALS AND METHODS OF CONSTRUCTION.

New or alternate materials and methods of construction may be approved by the Department in accordance with the provisions of LAMC Section 98.0502.

Sec. 1004. Subsection (f) of Section 93.0304 of the Los Angeles Municipal Code is amended to read as follows:

(f) The inspections provided for in this section shall not be required for construction or installation work done on the premises of a Type II Fabricator to whom an approval has been issued pursuant to the provisions of Division C of Article 6, Chapter IX of the LAMC.

Sec. 1005. Subsection (c) of Section 93.0306 of the Los Angeles Municipal Code is amended to read as follows:

(c) Before final inspection of any electric wiring, all plaster, concrete or other foreign material shall be thoroughly removed from every box and wiring enclosure, and not less than 6 inches (152.4 mm) of jointless conductor shall extend out of each lighting outlet box for future connection thereto.

Sec. 1006. Subsection (e) of Section 93.0306 of the Los Angeles Municipal Code is amended to read as follows:

(e) In any case where a splicing device is found not in conformity with all the requirements of Subsection (B) of CEC Section 110.14, the inspector may require that all covers, tape or other separate sheaths be removed from every splicing device in the installation and all the splices be pulled out of all boxes or other enclosures, and be left exposed for inspection. A ladder or other acceptable means shall be provided by the qualified installer to enable the inspector to make a thorough inspection of all the splices that are out of reach of the ground or floor.

Sec. 1007. Subsection (l) of Section 93.0306 of the Los Angeles Municipal Code is amended to read as follows:

(l) In addition to the requirements of Division 3 of Article 3, Chapter IX of the LAMC for inspections, a satisfactory acceptance test of the entire fire warning system installation and function shall be made in the presence and under the direction of a representative of the Department of Building and Safety and the Los Angeles City Fire Department prior to final approval.

The test of the fire warning/emergency system may be conducted by only one representative of the Department or the Los Angeles City Fire Department upon approval from both departments.

Sec. 1008. Subsections (b) and (c) of Section 93.0307 of the Los Angeles Municipal Code are amended to read as follows:

(b) When any unapproved wiring is found, the Department may condemn the installation under the provisions of LAMC Section 93.0311.

(c) No person shall occupy premises required to have an emergency electrical supply under the provisions of this Code without having a valid Certificate of Approval for that system. The Department shall conduct or witness a test on the complete system upon installation and annually thereafter. (See LAMC Section 93.0235.)

Sec. 1009. Subsections (d) and (e) of Section 93.0308 of the Los Angeles Municipal Code are amended to read as follows:

(d) The temporary use of electrical energy may be ordered discontinued and the supply disconnected upon proper notice as prescribed in LAMC Section 93.0311.

(e) Nothing contained in this section shall be considered to permit or authorize the sale or use of any electrical equipment not "**APPROVED**" in accordance with Division 4 of Article 3, Chapter IX of the LAMC.

Sec. 1010. Subsection (b) of Section 93.0310 of the Los Angeles Municipal Code is amended to read as follows:

(b) The notice to stop work shall be in writing, served as provided in the LAMC, upon the person violating or responsible for the violation of this Code.

Sec. 1011. Subsection (d) of Section 93.0311 of the Los Angeles Municipal Code is amended to read as follows:

(d) The seal shall be of metal and shall be attached to a tag not less than 3 inches by 4 inches (76.2 mm x 101.6 mm) in size of substantial paper or cardboard, red in color, and bearing a printed warning that the installation has been sealed by the

Department. No person shall break, mutilate, destroy or remove the seal or tag, or energize the wiring until the seal has been removed by the Department. When the required changes or repairs have been made and the work inspected and approved, the Department shall cause the seal to be removed.

Sec. 1012. Subsection (f) and the Exceptions to Section 93.0311 of the Los Angeles Municipal Code are amended to read as follows:

(f) Nothing contained in this section shall be construed to require a person to change wiring which complied with the laws and regulations in effect at the time of installation and which is maintained to comply with those regulations.

EXCEPTIONS:

1. When the Department determines that the wiring may become a hazard to life and property.

2. Where the occupancy of the building or premises has been changed in accordance with LAMC Section 91.8203.

3. Where cord wiring is found in dwelling occupancies it shall be replaced by not less than two approved receptacle outlets in each kitchen, living room and bedroom. A receptacle outlet, which may be one of the kitchen receptacle outlets, must be provided for each washing machine. Kitchen receptacle outlets shall be supplied by at least two branch circuits, one of which may also supply lighting circuits.

4. Where existing plug fuseholders are used in new circuits or in existing circuits with new electric wiring they shall be provided with TYPE S fuse adapters. The Department shall require all the fuseholders in an existing panelboard to be provided with TYPE S adapters where evidence of bridging, tampering or conditions of over-fusing are found in over 10% of the total number of fuses.

5. Where changes are made to utility company transformers or distribution system of existing electrical installations that causes an increase of available short-circuit currents, provisions shall be made as required by CEC Article 110, Sections 110.9 and 110.10 to protect the equipment.

Sec. 1013. Section 93.0315 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0315. NON-RESPONSIBILITY OF CITY.

Neither the City, nor any department, board, commission, officer or employee thereof shall be held liable or responsible for any damage or injury caused by or resulting from the issuance of any permit issued, or any inspection or approval made under the provisions of this Code.

Sec. 1014. Section 93.0401 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0401. POWER TO REGULATE.

The Department is authorized, empowered and directed by Division 3 of Article 3, Chapter IX of the LAMC to enforce all of the provisions of Division 4 of Article 3, Chapter IX of the LAMC, to adopt standards to which all equipment referred to in LAMC Section 93.0402 must conform before its approval, and to make reasonable rules and regulations for the governmental enforcement of such provisions and standards. Such rules and regulations, declared by LAMC Section 93.0113 to be a part of this Code, shall be reduced to writing and shall be filed in accordance with LAMC Section 93.0113 in the office of the Superintendent of Building.

Sec. 1015. The first sentence of Section 93.0402 of the Los Angeles Municipal Code is amended to read as follows:

No person shall sell, offer for sale, advertise, or display for sale, dispose of by way of gift, loan, rental, lease or premium, or install or use any “**equipment**,” as defined in CEC Article 100, unless that equipment has been approved by the Department.

Sec. 1016. Section 93.0403 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0403. USED EQUIPMENT.

(a) Any used or secondhand material, including any fitting, device, appliance, apparatus, or other equipment reinstalled for electric wiring shall comply with the following provisions:

1. All such equipment shall be in good, satisfactory and durable condition, and adequate and satisfactory for the purpose intended or used, all of the foregoing to be determined by the Department. Such equipment must also comply with all requirements of Division 4 of Article 3, Chapter IX of the LAMC regarding approval.

2. No used or secondhand insulated conductors shall be used for services or for circuits operating at more than 250 volts.

3. No used, reconditioned, or refurbished molded or electronic trip molded case circuit breakers.

(b) Nothing contained in this section shall be construed to waive any other specific requirements of this Code, including requirements for nameplates, enclosure of live parts, horsepower rating of switches, or protection from corrosion.

Sec. 1017. Subsection (a) of Section 93.0502 of the Los Angeles Municipal Code is amended to read as follows:

(a) A Certificate of Registration may be issued for maintenance electrical work as set forth in LAMC Section 93.0503.

Sec. 1018. Subdivisions 4 and 5 of Subsection (c) of Section 93.0502 of the Los Angeles Municipal Code are amended to read as follows:

4. Certificates of Registration may be renewed upon the payment of the annual registration fee as prescribed in LAMC Section 93.0503.

5. The Department may revoke or suspend any Certificate of Registration for failure, refusal, or neglect of the holder to comply with the provisions of this Code or for any reason set forth in Article 8 of Chapter IX of the LAMC.

Sec. 1019. Subsection (c) of Section 93.0503 of the Los Angeles Municipal Code is amended to read as follows:

(c) An annual registration fee shall be paid for premises covered by a Maintenance Certificate of Registration as required by LAMC Section 93.0240.

Sec. 1020. Subsection (c) of Section 93.0505 of the Los Angeles Municipal Code is amended to read as follows:

(c) Every applicant for Certificate of Qualification shall pay a fee as required by LAMC Section 93.0242.

Sec. 1021. Subsections (e) and (f) of Section 93.0505 of the Los Angeles Municipal Code are amended to read as follows:

(e) An expired Certificate of Qualification may be renewed at any time within 12 months after expiration without making application as set forth in Subsections (a) and (b) of this section, provided that, after the first month the renewal fee is paid as required by Subsection (b) of LAMC Section 93.0242.

(f) The Department may revoke or suspend any Certificate of Qualification for failure, refusal or neglect of the holder to comply with the provisions of the Code or for any reason set forth in Article 8 of Chapter IX of the LAMC.

Sec. 1022. Section 93.0700 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 93.0700. THE CALIFORNIA ELECTRICAL CODE.

Chapters 1 through 9, Annex C, H, G and I of the 2011 Edition of the National Electrical Code (N.E.C.), as published by the National Fire Protection Association (N.F.P.A. 70-2011), the 2013 California Electrical Code and the California Building Standards Code are adopted by reference as part of this Code. When there is a conflict between the 2011 National Electrical Code, the 2013 California Electrical Code and the LAMC, LAMC Section 93.0105 shall prevail. Except as specified in Divisions 1 through 6 of Article 3, Chapter IX of the LAMC, all electrical installations and materials shall be in conformity with the 2013 California Electrical Code, as adopted by reference to be part of this Code and LAMC Subsections 93.515.17 and 93.515.18 are added as provided here.

Sec. 1023. Subsection (a) of Section 93.0515.17 of the Los Angeles Municipal Code is amended to read as follows:

(a) This subsection shall be applicable to oil or gas wells located over water, on manmade islands offshore or at land-based locations. Area adjacent to oil or gas wells shall be classified as Class I locations as outlined below, and installations shall comply with the requirement for those locations.

Sec. 1024. Subdivisions (c) and (d) of Subsection 93.515.17 of the Los Angeles Municipal Code are amended to read as follows:

(c) Drilling Wells.

1. **Class I, Division I Locations.** The following areas shall be classified as Class I, Division I locations:

A. Below-grade well cellars, sumps or ditches. See Figures 2 and 6 of Division 7, Article 3, Chapter IX of the LAMC.

B. Enclosed and inadequately ventilated areas below the derrick floor. See Figure 1 of Division 7, Article 3, Chapter IX of the LAMC.

C. Enclosed areas containing mud tanks or shale shakers. See Figures 3 through 6 of Division 7, Article 3, Chapter IX of the LAMC.

EXCEPTIONS:

1. Adequately ventilated enclosed areas shall be permitted to be classified as Class I, Division 2 locations.

2. **(Over 600 volts, nominal):** Oil or gas well in the process of drilling shall have a Division 2 classification within 25 feet (7.62 m) of the casing, with the 18 inch (457.2 mm) height limitation adjacent to the drilling platform. The entire area directly above and below the drilling platform proper shall be considered as Division 2 without height limitation.

2. **Class I, Division 2 Locations.** The following areas shall be classified as Class I, Division 2 locations:

A. Within 10 feet (3048 mm) horizontally and 18 inches (457.2 mm) vertically from the edge of the well cellars or other below grade, Class I, Division I locations.

B. Within 10 feet (3048 mm) radially of the center of the bell nipple in open derricks.

C. The entire area above the derrick floor in enclosed derricks.

D. Areas adjacent to mud tanks as required in Figures 3 and 4 of Division 7, Article 3, Chapter IX of the LAMC; pits as required in Figure 2 of Division 7, Article 3, Chapter IX of the LAMC; shale shakers as required in Figure 5 of Division 7, Article 3, Chapter IX of the LAMC; or openings as required in Figure 2 of Division 7, Article 3, Chapter IX of the LAMC.

EXCEPTION: In enclosures classified as Class I, Division I locations in Subdivisions (c) 1 above.

(d) **Producing Wells.**

1. **Class I, Division I locations.** The following areas shall be classified as Class I, Division I locations:

A. **Below-grade well cellars.** See Figures 7 and 9 of Division 7, Article 3, Chapter IX of the LAMC.

B. Enclosed areas such as, wellhead, compressor or pump rooms where volatile, flammable liquids or gases may be present in concentrations sufficient to render the area a hazardous location.

NOTE: See Figures 8 through 10 of Division 7, Article 3, Chapter IX of the LAMC.

EXCEPTIONS:

1. Adequately ventilated enclosed areas shall be permitted to be classified as Class I, Division 2 locations.

NOTE: See Figure 7 of Division 7, Article 3, Chapter IX of the LAMC.

2. (**Over 600 volts, nominal**): In case of producing oil wells, the Division 2 classification shall include an area within 3 feet (914.4 mm) of the well casing to a height of three feet around the stuffing box or lubricator, and the area extending 10 feet (3048 mm) from the well casing to a height of 18 inches (457.2 mm) above the grade level of all producing oil wells (pumped, flowing or gas injected) having a gas pressure sufficient to cause gas to be liberated to the atmosphere in quantities to create a hazard to employees should liberated gas become ignited. Producing gas wells shall have a similar classified area.

2. **Class I, Division 2 Locations.** The following areas shall be classified as Class I, Division 2 locations:

A. Within 10 feet (3048 mm) horizontally and 18 inches (457.2 mm) vertically from the well casing and three feet radially from the stuffing box of all producing wells equipped with beam pumping units.

NOTE: See Figures 8 and 9 of Division 7, Article 3, Chapter IX of the LAMC.

B. Within ten feet horizontally and 18 inches (457.2 mm) vertically above grade from the edge of well cellars or other below grade Class I, Division I locations.

C. Within 10 feet (3048 mm) horizontally and vertically from openings in enclosed areas classified as Class I, Division I locations in Subdivision (d) 1. above.

NOTE: See Figures 3, 5 and 10 of Division 7, Article 3, Chapter IX of the LAMC..

3. **Class I, Division 1 and 2.** Areas within a 10 foot (3048 mm) radius of oil field auxiliary equipment such as gas vents, oil-gas separator vessels, tanks, pumps, compressors and similar equipment shall be classified in accordance with Figures 11 through 19 of Division 7, Article 3, Chapter IX of the LAMC.

Sec. 1025. Subparagraph E of Paragraph 2 of Subdivision (f) of Subsection 93.515.17 of the Los Angeles Municipal Code is amended to read as follows:

E. For single hole setups onshore, cables may be buried in the earth or run in covered, wooden troughs between outdoor units of equipment. A substantial, nominal 2 inch (50.8 mm) thick wooden cover or equivalent, shall be installed over the trough.

Sec. 1026. Subdivision (a) of Subsection 93.515.18 of the Los Angeles Municipal Code is amended to read as follows:

(a) **Scope.** The provisions of this section shall apply in addition to the requirements of CEC Article 515.

Sec. 1027. Subdivision (d) of Subsection 93.515.18 of the Los Angeles Municipal Code is amended to read as follows:

(d) **Existing Tanker Loading Dock Installations.** All existing electrical installations at tanker loading docks shall comply with the provisions of this section and CEC Article 515.

Sec. 1028. Subsection 94.101.1 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.”

Sec. 1029. Subdivision 4 and the Exception to Subsection 94.101.5.6 of the Los Angeles Municipal Code is amended to read as follows:

4. Potable water piping with any of the following:

a. Systems requiring a 2 inch (50.8 mm) or larger supply.

b. Systems designed from the procedure in CPC Section 610.5.

c. Systems utilizing cross-linked polyethylene tubing (PEX) requiring a 2 inch (50.8 mm) or larger supply or when required by the conditions of approval of the City of Los Angeles Mechanical Testing Laboratory Research Report.

d. Systems utilizing CPVC piping requiring a 2 inch (50.8 mm) or larger supply or when required by the conditions of approval of the City of Los Angeles Mechanical Testing Laboratory Research Report.

EXCEPTION: Plan Check is not required for existing systems that are added to or altered, with branch lines that serve fewer than 20 fixture units and sized by CPC Table 610.4.

Sec. 1030. Subsection 94.103.1.1.5 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.1.1.5. Transfer of Permits and Plan Checks. No permit shall be transferable from the original permittee to any other person unless the property owner authorizes the transfer in writing. Upon authorization, the new permittee shall file with the Department a new permit and pay to the Department a fee as specified in LAMC Section 98.0415 for issuing the new permit. This fee includes the issuing permit fee as specified in LAMC Subsection 94.103.4. Approved plans are not transferable from one contractor to another contractor. If approved plans were designed by a state licensed engineer, the plans may be transferred.

Sec. 1031. Subsection 94.103.1.2.4 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.1.2.4. Gas Piping. No permit shall be required for the installation or repair of a gas utility meter, nor for gas piping between the main and the nearest gas utility meter, nor for gas piping installed by the gas utility outside of private property, nor for the gas utility to disconnect defective gas piping and/or equipment when authorized by LAMC Section 94.1206, nor for any piping connection less than 6 feet (1828.8 mm) in length between an existing gas outlet and a gas appliance in the same room.

Sec. 1032. Subsection 94.103.1.2.5 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.1.2.5. A separate plumbing permit shall not be required for the installation of any plumbing system for which a combined building-mechanical permit has been obtained pursuant to LAMC Subsection 91.107.2.2.

Sec. 1033. The first sentence of Subsection 94.103.1.2.12 of the Los Angeles Municipal Code is amended to read as follows:

No permit shall be required for the replacement of the following items when the work is done on a detached, single-family dwelling and the work is performed by a contractor with a valid Certificate of Registration as a Certified Licensed Contractor pursuant to LAMC Subsection 91.108.12.3:

Sec. 1034. The last sentence of Subsection 94.103.1.2.12 of the Los Angeles Municipal Code is amended to read as follows:

A Certificate of Compliance pursuant to LAMC Subsection 91.108.12.3 must be filed with the City in lieu of a permit.

Sec. 1035. Subsection 94.103.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.3. Permit Issuance. CPC Section 103.3 is hereby adopted by reference with the following additions and amendments.

Sec. 1036. Subsection 94.103.3.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.3.3. Expiration of Permits. Permits shall expire as provided for in LAMC Section 98.0602.

Sec. 1037. Subsection 94.103.3.4 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.3.4. Suspension or Revocation. Permits may be revoked as provided in LAMC Section 98.0601.

Sec. 1038. Subsection 94.103.4.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.4.1. Permit Fees. Before any permit required by this Code is issued, the applicant shall pay to the Department the fees specified in LAMC Table 103.4 for each building or structure.

Sec. 1039. Item 38 of Table 103.4 following Subsection 94.103.4.1 of the Los Angeles Municipal Code is amended to read as follows:

38. Class I (dry) standpipe flush:

One or two risers	\$134.00
Each additional riser	\$80.00

Minimum Inspection Fee: A permittee shall pay a minimum fee as specified in LAMC Section 98.0412(a) to the Department for each plumbing installation for which a permit is required by this Code. Where the cumulative fees set forth in this Code are less than the minimum fee, the minimum fee shall be paid. The fee required by this Subsection shall include the issuing fee required by Item 1 of this Table.

Sec. 1040. Subsection 94.103.4.2.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.4.2.2. In addition to the fee specified in LAMC Subsection 94.103.4.2.1, above, a plan checking fee shall be assessed for checking the following systems:

Combination waste and vent piping systems, each	\$216.00
Sump pump and sewage ejector systems, each	\$208.00
Greywater systems, each.....	\$312.00
Irrigation sprinkler piping systems,	
First 5000 square feet (464.51 m ²) of irrigated area	\$312.00
Every additional 5000 square feet (464.51 m ²) or fraction thereof...	\$108.00
Soil remediation systems, each.....	\$216.00
Methane gas venting systems, each.....	\$216.00
Hydraulic calculations of standpipe systems serving 2 1/2 inch (63.5 mm) fire hose valves and fire sprinklers, each fire protection zone	\$721.00

Fire protection, swimming pool piping and all other systems not covered by LAMC Subsection 94.103.4.2.1:

- 70% of the permit fee,
- \$93.00 minimum per building.

Sec. 1041. Subsection 94.103.4.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.4.3. Expiration of Permit and Plan Check. Permits may expire as provided in LAMC Section 98.0602. Plans may expire as provided in LAMC Section 98.0603.

Sec. 1042. Subsection 94.103.4.4 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.4.4. Investigation Fees. Investigation Fees may be assessed as provided in LAMC Section 98.0402.

Sec. 1043. Subsection 94.103.4.5 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.4.5. Refund of Fees. Refund of fees may be requested as provided in LAMC Section 98.0420.

Sec. 1044. Subsection 94.103.4.6.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.4.6.1. Miscellaneous Equipment. A minimum fee as specified in LAMC Section 98.0412(c) shall be paid for inspection of any installation of equipment regulated by this Code which requires inspection for determination of Code compliance and where the installation inspection is not provided for in the permit fee schedule specified in LAMC Subsection 94.103.4.1. This fee is in addition to the permit issuing fee specified in LAMC Table 103.4.

Sec. 1045. Subsection 94.103.4.6.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.4.6.2. Miscellaneous Piping. When special permission has been obtained from the Department, a miscellaneous permit shall be issued for fire sprinkler, fire protection underground, domestic water, waste or vent piping installed underground or in walls or ceilings of installations where a fire protection or a plumbing permit cannot be issued until the required plans have been approved. The miscellaneous permit shall not be an authorization to install any additional piping. A fee as specified in LAMC Section 98.0412(c) shall be collected for the inspection of this installation and shall be limited to one inspection trip and one reinspection trip. This fee is in addition to the permit issuing fee specified in LAMC Table 103.4.

Sec. 1046. Subsection 94.103.4.6.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.4.6.3. Additional Inspections. If more inspection trips than specified in this article are found necessary due to fault or error on the part of the qualified installer or his employees, the permittee shall pay an additional fee as specified in LAMC Section 98.0412(b) for each additional inspection trip. This fee is in addition to the permit issuing fee specified in LAMC Table 103.4.

Sec. 1047. Subsection 94.103.4.6.4 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.4.6.4. Off-Hour Inspections. The Department may, at its discretion, make inspections at other than normal working hours upon application by a permittee as specified in LAMC Section 98.0406.

Sec. 1048. The second sentence of Subsection 94.103.4.6.5 of the Los Angeles Municipal Code is amended to read as follows:

A fee as specified in LAMC Section 98.0412(e), in addition to fees charged elsewhere in this Code, shall be charged for the inspections.

Sec. 1049. The last sentence of Subsection 94.103.4.6.6 of the Los Angeles Municipal Code is amended to read as follows:

If the applicant files a separate application (showing the correct information) and pays a filing fee as specified in LAMC Section 98.0415(a), then no additional permit fee will be required.

Sec. 1050. Subsection 94.103.4.7.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.4.7.1. Hourly Plan Check Fee. The Department may collect a plan check fee, based on an hourly rate, for any item not included in the plan check schedule as provided in LAMC Section 98.0415(e).

Sec. 1051. Subsection 94.103.4.7.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.4.7.3. Energy Plan Check Fee. The Department shall impose an energy plan check fee of 10 percent of the permit fee for the service of checking plans when the work is required to comply with Title 24, Part 6, of the California Building Standards Code (California Energy Code).

Sec. 1052. Subsection 94.103.4.8 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.4.8. Systems Development Surcharge. A permittee shall pay a surcharge for the development and implementation of a City-wide automated permit processing service as provided in LAMC Section 98.0416.

Sec. 1053. Subsection 94.103.4.9 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.4.9. One-Stop Surcharge. A permittee shall pay a surcharge as provided in LAMC Section 98.0410.

Sec. 1054. Subsection 94.103.5 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.5. Inspections. CPC Section 103.5 is hereby adopted by reference with the following additions and amendments.

Sec. 1055. The first sentence of Subsection 94.103.13.1 of the Los Angeles Municipal Code is amended to read as follows:

No person except a Qualified Installer as defined in Article 4, Chapter IX of the LAMC shall supervise or perform the labor of altering, installing or repairing any plumbing regulated by this Code.

Sec. 1056. The first sentence of Subsection 94.103.13.1.1 of the Los Angeles Municipal Code is amended to read as follows:

No Certificate of Qualification shall be required for an apprentice or helper, as defined in Article 4, Chapter IX of the LAMC, who is working under the continuous supervision of a Qualified Installer or journey level plumber.

Sec. 1057. Subsection 94.103.16.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.16.1. Certificate of Registration. Every applicant who passes the required examination for a Maintenance Certificate of Registration or who registers with the Department as the holder of a valid Certificate of Qualification as a maintenance supervisor shall be issued a Maintenance Certificate of Registration upon the payment of a fee.

Sec. 1058. The first sentence of Subsection 94.103.16.4 of the Los Angeles Municipal Code is amended to read as follows:

A public utility corporation engaged in the distribution or sale of gas in the City shall be issued, without examination, a Certificate of Registration as Master Gas Fitter upon the payment of a fee as specified in LAMC Section 98.0414(b)1.

Sec. 1059. Subsection 94.103.16.5 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.103.16.5. Partnership, Firm and Corporation. Upon the payment of a fee as specified in LAMC Section 98.0414(b)1, a partnership firm or corporation may be issued a Certificate of Registration as a Master Gas Fitter, if a person in effective authority and control over all work regulated by Chapter 5 and 12 of the Uniform Plumbing Code has passed the required examination within the time prescribed by LAMC Section 98.0406(a).

Sec. 1060. Subsection 94.103.19 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

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

Sec. 1061. Section 94.200 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.200.0. BASIC PROVISIONS.

Chapter 2 of the 2013 California Plumbing Code (CPC) is adopted by reference with the following exceptions: Sections 203, 204, 205, 206, 207, 208, 210, 212, 215, 218, 219, 220 and 221 of the California Plumbing Code are not adopted; and, in lieu, 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, 94.218.0, 94.219.0, 94.220.0 and 94.221.0 are added as provided in this Article.

Sec. 1062. Section 94.201.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.201.0. GENERAL.

CPC Section 201 is hereby adopted by reference.

Sec. 1063. Subsection 94.202.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.202.0. DEFINITION OF TERMS.

CPC Section 202 is hereby adopted by reference.

Sec. 1064. The first sentence of Section 94.203.0 A of the Los Angeles Municipal Code is amended to read as follows:

CPC Section 203 is adopted by reference with the following additions and amendments.

Sec. 1065. The first sentence of Section 94.204.0 B of the Los Angeles Municipal Code is amended to read as follows:

CPC Section 204 is hereby adopted by reference with the following additions and amendments.

Sec. 1066. Section 94.205.0 C of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.205.0. C.

CPC Section 205 is adopted by reference with the following additions and amendments.

CALIFORNIA PLUMBING CODE (CPC). The 2013 Edition of the California Plumbing Code, also known as the California Code of Regulations (C.C.R), Title 24, Part 5, a portion of the California Building Standards Code. The California Plumbing Code adopts the 2012 Edition of the Uniform Plumbing Code by reference with required state amendments.

COMMERCIAL PRE-RINSE SPRAY VALVES (PRSV). Assemblies consisting of a flexible hose and spray head for attachment to a faucet with a built-in diverter.

Sec. 1067. The first sentence of Section 94.206.0 D of the Los Angeles Municipal Code is amended to read as follows:

CPC Section 206 is hereby adopted by reference with the following additions and amendments.

Sec. 1068. The first sentence of Section 94.207.0 E of the Los Angeles Municipal Code is amended to read as follows:

CPC Section 207 is hereby adopted by reference with the following additions and amendments.

Sec. 1069. The first sentence of Section 94.208.0 F of the Los Angeles Municipal Code is amended to read as follows:

CPC Section 208 is hereby adopted by reference with the following additions and amendments.

Sec. 1070. Section 94.209.0 G of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.209.0. G.

CPC Section 209 is hereby adopted by reference.

Sec. 1071. The first sentence of Section 94.210.0 H of the Los Angeles Municipal Code is amended to read as follows:

CPC Section 210 is hereby adopted by reference with the following additions and amendments.

Sec. 1072. The definition of High-Rise Building in Section 94.210.0 H of the Los Angeles Municipal Code is amended to read as follows:

HIGH-RISE BUILDING. A building (over 75 feet (22.86 m) high) included within the scope of California Building Code Section 403.

Sec. 1073. Section 94.211.0 I of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.211.0. I.

CPC Section 211 is hereby adopted by reference.

Sec. 1074. The first sentence of Section 94.212.0 J of the Los Angeles Municipal Code is amended to read as follows:

CPC Section 212 is hereby adopted by reference with the following additions and amendments.

Sec. 1075. The definition of Journeylevel Plumber in Section 94.212.0 J of the Los Angeles Municipal Code is amended to read as follows:

JOURNEYLEVEL PLUMBER. A person who has a valid Certificate of Qualification as provided in this Code, to install, alter, construct or repair any plumbing when in the employ of and under the supervision of a qualified installer.

Sec. 1076. Section 94.213.0 K of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.213.0. K.

CPC Section 213 is hereby adopted by reference.

Sec. 1077. Section 94.214.0 L of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.214.0. L.

CPC Section 214 is hereby adopted by reference.

Sec. 1078. The first sentence of Section 94.215.0 M of the Los Angeles Municipal Code is amended to read as follows:

CPC Section 215 is hereby adopted by reference with the following additions and amendments.

Sec. 1079. The definition of Maintenance Supervisor in Section 94.215.0 M of the Los Angeles Municipal Code is amended to read as follows:

MAINTENANCE SUPERVISOR. A person holding a valid Certificate of Qualification as provided in this Code, as a maintenance supervisor and who is in the employ of a person holding a valid Maintenance Certificate of Registration.

Sec. 1080. Section 94.216.0 N of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.216.0. N.

CPC Section 216 is hereby adopted by reference.

Sec. 1081. Section 94.217.0 O of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.217.0. O.

CPC Section 217 is hereby adopted by reference.

Sec. 1082. The first sentence of Section 94.218.0 P of the Los Angeles Municipal Code is amended to read as follows:

CPC Section 218 is hereby adopted by reference with the following additions and amendments.

Sec. 1083. The first sentence of Section 94.219.0 Q of the Los Angeles Municipal Code is amended to read as follows:

CPC Section 219 is hereby adopted by reference with the following additions and amendments.

Sec. 1084. The first sentence of Section 94.220.0 R of the Los Angeles Municipal Code is amended to read as follows:

CPC Section 220 is hereby adopted by reference with the following addition.

Sec. 1085. The first sentence of Section 94.221.0 S of the Los Angeles Municipal Code is amended to read as follows:

CPC Section 221 is hereby adopted by reference with the following addition.

Sec. 1086. Section 94.222.0 T of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.222.0. T.

CPC Section 222 is hereby adopted by reference.

Sec. 1087. Section 94.223.0 U of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.223.0. U.

CPC Section 223 is hereby adopted by reference.

Sec. 1088. Section 94.224.0 V of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.224.0. V.

CPC Section 224 is hereby adopted by reference.

Sec. 1089. Section 94.225.0 W of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.225.0. W.

CPC Section 225 is hereby adopted by reference.

Sec. 1090. Section 94.226.0 X of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.226.0. X.

CPC Section 226 is hereby adopted by reference.

Sec. 1091. Section 94.227.0 Y of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.227.0. Y.

CPC Section 227 is hereby adopted by reference.

Sec. 1092. Section 94.228.0 Z of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.228.0. Z.

CPC Section 227 is hereby adopted by reference.

Sec. 1093. Subsection 94.1101.11.2.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.1101.11.2.2. Secondary Roof Drain. Secondary roof drains shall be provided. The secondary roof drains shall be located not less than 2 inches (50.8 mm) above the roof surface. The maximum height of the roof drains shall be a height to prevent the depth of ponding from exceeding that for which the roof was designed as determined by CPC Section 1101.11.1. The secondary roof drains shall connect to a piping system in accordance with CPC Section 1101.11.2.2(A).

Sec. 1094. The last sentence of Subsection 94.1101.13 of the Los Angeles Municipal Code is amended to read as follows:

The lowest inlet shall have a minimum clearance of 2 inches (50.8 mm) from the high-water or "starting" level of the sump.

Sec. 1095. Section 94.1201.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1201.0. SCOPE OF GAS PIPING.

CPC Section 1201.0 is adopted by reference.

Sec. 1096. Section 94.1202.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1202.0. GENERAL.

CPC Section 1202.0 is adopted by reference.

Sec. 1097. Section 94.1203.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1203.0. INSPECTION.

CPC Section 1203.0 is adopted by reference.

Sec. 1098. Section 94.1204.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1204.0. CERTIFICATE OF INSPECTION.

CPC Section 1204.0 is adopted by reference.

Sec. 1099. Section 94.1205.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1205.0. AUTHORITY TO RENDER GAS SERVICE.

CPC Section 1205.0 is adopted by reference.

Sec. 1100. Section 94.1206.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1206.0. AUTHORITY TO DISCONNECT.

CPC Section 1206.0 is adopted by reference.

Sec. 1101. Section 94.1207.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1207.0. TEMPORARY USE OF GAS.

CPC Section 1207.0 is adopted by reference.

Sec. 1102. Section 94.1208.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1208.0. GAS PIPING SYSTEM DESIGN, MATERIALS, AND COMPONENTS.

CPC Section 1208.0 is adopted by reference.

Sec. 1103. Section 94.1209.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1209.0. EXCESS FLOW VALVE.

CPC Section 1209.0 is adopted by reference.

Sec. 1104. Section 94.1210.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1210.0. GAS PIPING INSTALLATION.

CPC Section 1210.0 is adopted by reference.

Sec. 1105. Section 94.1211.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1211.0. APPLIANCE CONNECTIONS TO BUILDING PIPING.

CPC Section 1211.0 is adopted by reference.

Sec. 1106. Section 94.1212.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1212.0. LIQUEFIED PETROLEUM GAS FACILITIES AND PIPING.

CPC Section 1212.0 is adopted by reference.

Sec. 1107. Section 94.1213.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1213.0. PRESSURE TESTING AND INSPECTION.

CPC Section 1213.0 is adopted by reference.

Sec. 1108. Section 94.1214.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1214.0. INTERCONNECTIONS BETWEEN GAS PIPING SYSTEMS.

CPC Section 1214.0 is adopted by reference.

Sec. 1109. Section 94.1215.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1215.0. REQUIRED GAS SUPPLY.

CPC Section 1215.0 is adopted by reference.

Sec. 1110. Section 94.1216.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.1216.0. REQUIRED GAS PIPING SIZE.

CPC Section 1216.0 is adopted by reference.

Sec. 1111. Subsection 94.1217.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.1217.1. Definitions. For purposes of this section, certain terms shall be defined as follows:

DOWNSTREAM OF THE GAS UTILITY METER. All customer owned gas piping, downstream of the bypass valve, as specified by the public gas utility company.

EXCESS FLOW SHUTOFF VALVE. A shutoff system activated by significant gas leaks or overpressure surges downstream of the valves.

RESIDENTIAL BUILDING. Any single-family dwelling, duplex, apartment building, condominium, townhouse, lodging house, congregate residence, hotel or motel.

SEISMIC GAS SHUTOFF VALVE. A system consisting of a seismic sensing means and actuating means designed to automatically actuate a companion gas shutoff means installed in a gas piping system in order to shutoff the gas downstream of the location of the gas shutoff means in the event of a severe seismic disturbance. The system may consist of separable components or may incorporate all functions in a single body. The terms "Seismically Activated Gas Shutoff Valves" and "Earthquake Sensitive Gas Shutoff Valves" are synonymous.

UPSTREAM OF THE GAS UTILITY METER. All gas piping installed by the utility up to and including the meter and the utility's bypass tee at the connection to the customer owned piping.

Sec. 1112. The first sentence of Paragraph (c) of the Exceptions to Subsection 94.1217.2.3 of the Los Angeles Municipal Code is amended to read as follows:

Notwithstanding LAMC Subsections 94.1217.2.1, 94.1217.2.2 and 94.1217.2.3 above, these provisions shall not apply to a building or structure if the Department determines that a building or structure satisfies all three of the following criteria:

Sec. 1113. Subsection 94.1217.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.1217.3. General Requirements. Seismic gas shutoff valves or excess flow shutoff valve installed either in compliance with LAMC Subsection 94.1217.2, *et seq.*, or voluntarily with a permit issued on or after September 1, 1995, shall comply with the following requirements:

Sec. 1114. Paragraph (a) of the Exceptions to Subsection 94.1217.3.1 of the Los Angeles Municipal Code is amended to read as follows:

(a) A person who has been determined by the Department to meet the qualification of a Qualified Installer pursuant to the definition of a Qualified Installer set forth in Article 4, Chapter IX of the LAMC may install a seismic gas shutoff valve or excess flow shutoff valve to a single-family dwelling which is or is intended to be occupied by the Qualified Installer.

Sec. 1115. Subsection 94.1217.3.8 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.1217.3.8. Excess flow shutoff valves must be in compliance with all requirements of California Referenced Standard 12-16-2.

Sec. 1116. The following entry of Subdivision 2.2 of Subsection 94.2010.1 of the Los Angeles Municipal Code is amended to read as follows:

NFPA 170, *Standard for Fire Safety and Emergency Symbols*, 2012 edition.

Sec. 1117. Subsection 94.2010.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.2. NFPA 13-2013 Section 3.3.25 is added to read as follows:

3.3.25. Water Curtain. A line of closely spaced fire sprinklers (or a single sprinkler) aligned adjacent to openings to keep fire from penetrating those openings.

Sec. 1118. Subsection 94.2010.8 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.8. NFPA 13-2013 Section 7.6.2.1.3 is added to read as follows:

7.6.2.1.3. All pre-mixed antifreeze solutions shall be provided with a certificate from the manufacturer indicating the type of antifreeze, concentration by volume, and freezing point.

Sec. 1119. Subsection 94.2010.10 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.10. NFPA 13-2013 Section 8.15.4.5 is added to read as follows:

8.15.4.5. Water curtains shall consist of closely spaced sprinklers in combination with draft stops. The draft stops shall be located immediately adjacent to the opening, shall be at least 18 inches (47.2 mm) deep and shall be of noncombustible or limited-combustible material. Sprinklers shall be spaced not more than 6 feet (1828.8 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 Section 8.6.3.4.2 of NFPA-13.

Sec. 1120. Subsection 94.2010.11 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.11. NFPA13-2013 Section 8.15.5.7.2 is amended to read as follows:

8.15.5.7.2. The sprinkler required at the top and bottom of the elevator hoistway by 8.15.5.7.1 shall not be required where permitted by Division 30 of Article 1, Chapter IX of the LAMC.

Sec. 1121. Subsection 94.2010.12 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.12. NFPA 13-2013 Section 8.15.7.1 is amended to read as follows:

8.15.7.1. Unless the requirements of 8.15.7.2 or 8.15.7.3 are met, sprinklers shall be installed under exterior roofs, canopies, porte-cochere, balconies, decks, or similar projections exceeding 4 foot (1219.2 mm) in width.

Sec. 1122. Subsection 94.2010.18 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.18. NFPA 13-2013 Section 8.16.1.1.1.5 is added to read as follows:

8.16.1.1.1.5. Control valves, check valves, drain valves, antifreeze valves shall be readily accessible for inspection, testing and maintenance. Valves located more than 7 feet (2133.6 mm) above the finished floor shall be provided with a means of opening and closing the valve from the floor level.

Sec. 1123. Subsection 94.2010.23 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.23. NFPA 13-2013 Section 9.3.5.12.6 is amended to read as follows:

9.3.5.12.6. Fastening methods other than those identified in NFPA 13-2-13 Section 9.3.5.12 shall not apply to other fastening methods, which shall be acceptable for use if certified by a registered professional engineer to support the loads determined in accordance with the criteria in NFPA 13-2013 Section 9.3.5.9. Calculations shall be submitted to the authority having jurisdiction.

Sec. 1124. Subsection 94.2010.24 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.24. NFPA 13-2013 Section 9.3.5.12.7.2 is amended to read as follows:

9.3.5.12.7.2. Concrete anchors other than those shown in NFPA 13-2013 Figure 9.3.5.12.1 and identified in NFPA 13-2013 Section 9.3.5.11.11 shall be acceptable for use where designed in accordance with the requirements of the building code and certified by a registered professional engineer.

Sec. 1125. The Exceptions to Subsection 94.2010.27 of the Los Angeles Municipal Code are amended to read as follows:

EXCEPTIONS:

1. Where allowed in accordance with NFPA 13-2013 Section 10.6.2.

2. Alternate designs may be utilized where designed by a registered professional engineer and approved by the enforcing agency.

Sec. 1126. Subsection 94.2010.28 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.28. NFPA 13-2013 Section 10.9.1 is amended to read as follows:

10.9.1. Backfill shall be well tamped in layers or puddle under and around pipes to prevent settlement or lateral movement. Backfill shall consist of clean fill sand or pea gravel to a minimum of 6 inches (152.4 mm) below and to a minimum of 12 inches (304.8 mm) above the pipe and shall contain no ashes cinders, refuse, organic matter or other corrosive materials. Other backfill materials and methods are permitted where designed by a registered professional engineer and approved by the enforcing agency.

Sec. 1127. Subsection 94.2010.30 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.30. NFPA 13-2013 Section 11.2.3.2.3.1 is amended to read as follows:

11.2.3.2.3.1. Where listed quick-response sprinklers, excluding extended coverage quick-response sprinklers, are used throughout a system or portion of a system having the same hydraulic design basis, the system area of operation shall be permitted to be reduced without revising the density as indicated in NFPA 13-2013 Figure 11.2.3.2.3.1 when all of the following conditions are satisfied:

1. Wet pipe system;
2. Light hazard occupancy;
3. 20 feet (6.1 m) maximum ceiling height; and
4. There are no unprotected ceiling pockets as allowed by NFPA 13-2013 Sections 8.6.7 and 8.8.7 exceeding 32 ft² (3 m²).

Sec. 1128. Subsection 94.2010.32 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.32. NFPA 13-2013 Section 11.3.3.5 is added to read:

11.3.3.5. Water curtains shall be hydraulically calculated in accordance with NFPA 13-2013 Section 11.3.

Sec. 1129. Subsection 94.2010.35 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.35. NFPA 13-2013 Section 25.1 is amended to read as follows:

25.1. Approval of Sprinkler Systems and Private Fire Service Mains. The installing contractor shall do the following:

1. Notify the authority having jurisdiction and the property owner or property owner's authorized representative of the time and date testing will be performed;
2. Perform all required testing (see NFPA 13-2013 Section 25.2);
3. Complete and sign the appropriate contractor's material and test certificate(s) (see NFPA 13-2013 Figure 25.1);
4. Remove all caps and straps prior to placing the sprinkler system in service; and
5. Upon system acceptance by the authority having jurisdiction a label prescribed by Title 19 California Code of Regulations, Division 1, Chapter 5 shall be affixed to each system riser.

Sec. 1130. Subsection 94.2010.36 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2010.36. NFPA 13-2013 Section 25.4 is amended to read as follows:

25.4. Instructions. The installing contractor shall provide the property owner or the property owner's authorized representative with the following:

1. All literature and instructions provided by the manufacturer describing proper operation and maintenance of any equipment and devices installed;
2. NFPA 25, Standard for the Inspection, testing and maintenance of Water-Based Fire Protection Systems, 2006 California Edition;
3. Title 19, California Code of Regulations, Division 1, Chapter 5, "Automatic Fire Extinguishing Systems."

Sec. 1131. Subsection 94.2013.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2013.2. NFPA 13R-2013 Section 6.3.1 is added to read as follow as follows:

6.3.1. Instructions. The installing contractor shall provide the property owner or the property owner's authorized representative with the following:

1. All literature and instructions provided by the manufacturer describing proper operation and maintenance of any equipment and devices installed;
2. NFPA 25, Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems, 2006 California edition and Title 19, California Code of Regulations, Division 1, Chapter 5; and
3. Once the system is accepted by the authority having jurisdiction, a label as prescribed by Title 19, California Code of Regulations, Division 1, Chapter 5, shall be affixed to each system riser.

Sec. 1132. The first sentence of Subsection 94.2014.1 of the Los Angeles Municipal Code is amended to read as follows:

NFPA 13D-2013 Section 3.3.6 is amended to read as follows:

Sec. 1133. Subsection 94.2014.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2014.2. NFPA 13D-2013 Section 5.1.4 is added to read as follows:

5.1.4. Fire Department Connections. A Fire Department connection shall be provided for any system protecting over 10,000 square feet (929.03 m²) of habitable space and shall meet the following requirements:

1. A single Fire Department connection pipe may be as small as the sprinkler riser, provided the riser is 3 inches (76.2 mm) or smaller; and
2. The hose inlet fitting may be 1 1/2 inches (38.1 mm) with 1.5-9 N.H. thread of 2.5-7.5 N.H. standard threads.

Sec. 1134. Subsection 94.2014.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2014.3. NFPA 13D-2013 Section 6.2 is amended to read as follows:

6.2. Water Supply Sources. The following water supply sources shall be considered to be acceptable by this standard:

1. A connection to a reliable waterworks system with or without an automatically operated pump;
2. An elevated tank;
3. A pressure tank designed to American Society of Mechanical Engineers (ASME) standards for a pressure vessel with a reliable pressure source;
4. A stored water source with an automatically operated pump; or
5. A well with a pump of sufficient capacity and pressure to meet the sprinkler system demand. The stored water requirement of NFPA 13-2013 Section 6.1.2 or 6.1.3 shall be permitted to be a combination of the water in the well (including the refill rate) plus the water in the holding tank if such tank can supply the sprinkler system.

Sec. 1135. The first sentence of Subsection 94.2014.4 of the Los Angeles Municipal Code is amended to read as follows:

NFPA 13D-2013 Section 6.2.2 is amended to read as follows:

Sec. 1136. Subsection 94.2014.8 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2014.8. NFPA 13D-2013 Section 10.2.1(6) is added to read as follows:

6. Single family dwellings having more than 10,000 square feet (929.03 m²) of habitable space shall follow the design requirements of LAMC Section 94.2013.

Sec. 1137. Subsection 94.2020.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2020.1. NFPA 14-2013 Section 5.1.3 is amended to read as follows:

5.1.3. The spacing and location of standpipes and hose connections shall be in accordance with CBC Section 905.

Sec. 1138. Subsection 94.2020.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2020.3. NFPA 14-2013 Section 5.3.3 is amended to read as follows:

5.3.3. Class III Systems. A Class III standpipe system shall provide 1 1/2 inches (38.1 mm) hose stations to supply water for use by trained personnel and 2 1/2 inches (63.5 mm) hose connections to supply a larger volume of water for use by fire departments and those trained in handling heavy fire streams. Hose connections for Class III systems may be made through 2 1/2 hose valves with easily removable 2 1/2 inch by 1 1/2 inch (63.5 mm x 38.1 mm) reducers.

Sec. 1139. Subsection 94.2020.5 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2020.5. NFPA 14-2013 Section 6.1.2.5 is amended to read as follows:

6.1.2.5. To minimize or prevent pipe breakage where, subject to earthquakes, standpipe systems shall be protected in accordance with LAMC Section 94.2010.

Sec. 1140. The first sentence of Subsection 94.2020.6 of the Los Angeles Municipal Code is amended to read as follows:

NFPA 14-2013 Section 6.3.7.1 is amended to read as follows:

Sec. 1141. Subsection 94.2020.8 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2020.8. NFPA 14-2013 Sections 7.3.2.2 and 7.3.2.3 are not adopted. Location of Class I standpipe hose connections shall comply with CBC Section 905.4.

Sec. 1142. Subsection 94.2020.14 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2020.14. NFPA 14-2013 Sections 11.5.7.3.1 through 11.5.7.3.5 are added to read as follows:

11.5.7.3. Pressure Regulator Valve Test.

11.5.7.3.1. Test Required. When required by the Department, 2 1/2 inch (63.5 mm) pressure regulator 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 Department.

11.5.7.3.2. Safety. Test nozzles and other equipment shall be adequately secured so as to eliminate danger to personnel.

11.5.7.3.3. Opening. An accessible 2 1/2 inch (63.5 mm) capped or plugged test opening shall be installed adjacent to each pressure regulator valve.

11.5.7.3.4. 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.

11.5.7.3.5. Interconnection. The test drain shall either be separate or connect to a fire sprinkler drain.

Sec. 1143. Subsection 94.2020.15 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2020.15. NFPA 14-2013 Section 12.1 is amended to read as follows:

12.1. A standpipe system, either temporary or permanent, shall be provided in accordance with NFPA 14-2013 in “Buildings Under Construction.”

Sec. 1144. Subsection 94.2021.1 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2021.1. Class H standpipes are fire lines equipped with 1 1/2 inch (38.1 mm) hose outlets and intended for use by trained personnel in fighting fires on helicopter landing pads.

Sec. 1145. Subsection 94.2021.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2021.2. At least one Class H standpipe outlet shall be located outdoors to serve each helicopter landing facility. Every point shall be covered with a 20 foot (6.09 m) stream of water from a nozzle connected to not more than 100 feet (30.48 m) of hose.

Sec. 1146. Subsection 94.2021.7.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2021.7.2. The emergency supply for Class H standpipes in buildings over 75 feet (22.86 m) in height shall have at least 2500 gallons usable capacity in case of failure of the normal power and water services. A Fire Department inlet connection shall be acceptable as this source, provided it complies with the requirements for the Fire Department connection for automatic sprinklers.

Sec. 1147. Subsection 94.2021.8 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2021.8. A minimum 2 inch (50.8 mm) bypass shall be made between the City water main and the downstream side of any pump when that connection will provide the minimum required flow and pressure for a Class H standpipe.

Sec. 1148. Subsection 94.2021.9.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2021.9.3. Fire hoses shall be 1 1/2 inches (38.1 mm) in diameter and not over 100 feet (30.48 m) long.

Sec. 1149. Subsection 94.2021.9.5 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2021.9.5. Hose nozzles shall be listed 1 1/2 inch (38.1 mm) combination fog and straight stream type and shall be of a design acceptable to the Fire Department.

Sec. 1150. Subsection 94.2021.10.2 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2021.10.2. Any hose cabinet that can be locked shall have an opening with a pane of single-strength glass at least 7 inches (177.8 mm) high and as wide as the construction of the door will permit.

Sec. 1151. Subsection 94.2021.10.3 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2021.10.3. Hose cabinets that can be locked shall be labeled “CAUTION – FOR FIRE FIGHTING BY TRAINED PERSONNEL ONLY” in contrasting letters at least 3 inches (76.2 mm) high.

Sec. 1152. The first sentence of Subsection 94.2030.2 of the Los Angeles Municipal Code is amended to read as follows:

NFPA 20-2013 Section 4.7.1 is amended to read as follows:

Sec. 1153. The first sentence of Subsection 94.2030.3 of the Los Angeles Municipal Code is amended to read as follows:

NFPA 20-2013 Section 4.11.1.4 is amended to read as follows:

Sec. 1154. Subsection 94.2030.4 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2030.4. NFPA 20-2013 Section 4.14.2 is amended to read as follows:

4.14.2. Installation. Suction pipe shall be installed and tested in accordance with LAMC Section 94.2040. The installation of above-ground suction piping shall conform to LAMC Section 94.2010.

Sec. 1155. Subsection 94.2030.5 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2030.5. NFPA 20-2013 Section 4.14.4.1 is amended to read as follows:

4.14.4.1. Where the suction supply is of sufficient pressure to be of material value without the pump, the pump shall be installed with a bypass having a check valve. (See NFPA 20-2013 Figure A.5.14.4.)

Sec. 1156. The first sentence of Subsection 94.2030.15 of the Los Angeles Municipal Code is amended to read as follows:

NFPA 20-2013 Section 11.4 is amended to read as follows:

Sec. 1157. The first sentence of Subsection 94.2040.2 of the Los Angeles Municipal Code is amended to read as follows:

NFPA 24-2013 Section 4.2.1 is amended to read as follows:

Sec. 1158. The first sentence Subsection 94.2040.3 of the Los Angeles Municipal Code is amended to read as follows:

NFPA 24-2013 Section 4.2.2 is amended to read as follows:

Sec. 1159. The first sentence of Subsection 94.2040.5 of the Los Angeles Municipal Code is amended to read as follows:

NFPA 24-2013 Section 5.6 is amended to read as follows:

Sec. 1160. Subsection 94.2040.6 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2040.6. NFPA 24-2013 Section 5.7 is added and modified to read as follows:

5.7. Tanks shall be installed in accordance with LAMC Section 94.2050.

Sec. 1161. The first sentence of Subsection 94.2040.10 of the Los Angeles Municipal Code is amended to read as follows:

NFPA 24-2013 Section 5.9.5.1 is amended to read as follows:

Sec. 1162. The first sentence of Subsection 94.2040.11 of the Los Angeles Municipal Code is amended to read as follows:

NFPA 24-2013 Section 6.1.5 is amended to read as follows:

Sec. 1163. Subsection 94.2040.14 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2040.14. NFPA 24-2013 Section 6.4.1 is amended by changing the reference "NFPA 14" to "LAMC Section 94.2050."

Sec. 1164. Subdivision 6.6.2.2 of Subsection 94.2040.16 of the Los Angeles Municipal Code is amended to read as follows:

6.6.2.2. Sectional control valves shall be indicating valves in accordance with LAMC Section 94.2010.

Sec. 1165. Subsection 94.2040.18 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2040.18. NFPA 24-2013 Section 7.1.1.1 is amended to read as follows:

7.1.1.1. Hydrant Valves. Each fire hydrant shall be isolated by listed key-type gate valve located at least 4 feet (1219.2 mm) and not more than 10 feet (3048 mm) from the fire hydrant. The valve shall not be located in a parking space. No fire sprinkler riser valve shall control any fire hydrant.

Sec. 1166. Subsection 94.2040.20 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2040.20. NFPA 24-2013 Section 10.6.4 is amended to read as follows:

10.6.4. Pipe joints shall not be located under foundation footings. The pipe under the building or building foundation shall not contain mechanical joints.

EXCEPTIONS:

- I. Where allowed in accordance with NFPA 24-2013 Section 10.6.2.

II. Alternate designs may be utilized where designed by a registered professional engineer and approved by the enforcing agency.

Sec. 1167. Subsection 94.2040.21 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2040.21. NFPA 24-2013 Section 10.9.1 is amended to read as follows:

10.9.1. Backfill shall be well tamped in layers or puddled under and around pipes to prevent settlement or lateral movement. Backfill shall consist of clean fill sand or pea gravel to a minimum of 6 inches (152.4 mm) below and to a minimum of 12 inches (304.8 mm) above the pipe and shall contain no ashes cinders, refuse, organic matter, or other corrosive materials. Other backfill materials and methods are permitted where designed by a registered professional engineer and approved by the enforcing agency.

Sec. 1168. The first sentence of Subsection 94.2040.22 of the Los Angeles Municipal Code is amended to read as follows:

NFPA 24-2013 Section 10.10.2.2.5 is amended to read as follows:

Sec. 1169. Subsection 94.2040.23 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2040.23. NFPA 24-2013 Section 12.1 is amended to read as follows:

12.1. General. Above ground pipe and fittings shall comply with the applicable LAMC Section 94.2010 that address pipe, fittings, joining methods, hangers and installation.

Sec. 1170. Subsection 94.2040.24 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

94.2040.24. NFPA 24-2013 Section 12.2.5 is amended to read as follows:

12.2.5. To minimize or prevent breakage where subject to earthquakes, above ground pipe shall be protected in accordance with the seismic requirements of LAMC Section 94.2010.

Sec. 1171. Section 94.2050.0 of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 94.2050.0. NFPA 22 FIRE PROTECTION TANKS.

Tanks for water storage for fire protection systems and associated piping shall conform to the requirements of NFPA 22-2013 with the following exceptions, modifications and additions:

1. Section 4.1.1 is amended to read:

4.1.1. Size. Tanks shall be designed to supply the required water flow for the required duration.

2. Section 7.2.6.4 is added to read:

7.2.6.4. Air Pressure Gage. The minimum required air pressure of the tank shall be clearly and permanently posted next to the air pressure gage.

3. Section 14.2.3 is amended to read:

14.2.3.1. Underground Pipe Material. Piping shall be in accordance with LAMC Section 94.2040.0.

14.2.3.2. Aboveground Pipe Material. Aboveground pipe material shall be in accordance with LAMC Sections 94.2010.0 and 94.2030.0.

4. Section 14.2.12.4 is added to read:

14.2.12.4. Valve. A readily accessible indicating-type control valve shall be installed in the water filling piping so as to isolate each tank.

5. Section 14.4.5 is amended to read:

14.4.5. Tank Fill. Each tank shall be equipped with an automatic tank fill line that shall be sized to fill the tank in eight hours, but shall not be smaller than 2 inches (50.8 mm) in diameter.

For high-rise buildings see LAMC Section 94.2060.0.

6. Sections 14.4.5.1 through 14.4.5.4 are not adopted.

7. Section 14.9.3 is added to read:

14.9.3. Monitor. High and low level alarms shall be closed circuit electric alarms that sound an alarm and turn on an indication light at a permanently staffed location when the water level is not within ten percent of the design volume.

Sec. 1172. The third sentence of Subsection 94.2060.1.3 of the Los Angeles Municipal Code is amended to read as follows:

The fill line shall be a minimum of 2 inches (50.8 mm) in diameter and shall not exceed a maximum of four inlets into the tank.

Sec. 1173. The first sentence of Subsection 94.2060.1.4 of the Los Angeles Municipal Code is amended to read as follows:

In buildings over 420 feet (128.01 m) high, fire sprinklers serving each floor shall be supplied from two standpipe risers.

Sec. 1174. The last sentence of Subsection 94.2100.0 of the Los Angeles Municipal Code is amended to read as follows:

Appendices B, D, G, H, and J of the 2013 California Plumbing Code are adopted by reference.