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January 22nd, 2026
Honorable Members of the Planning and Land Use Committee
City of Los Angeles City Hall, Room 395
Los Angeles, CA 90012

TRANSMITTAL OF TECHNICAL CLEAN-UP ORDINANCE AMENDING CHAPTER IX OF THE LOS ANGELES MUNICIPAL CODE (COUNCIL FILE NO. 25-1217)

Pursuant to the recommendations adopted by the City Council regarding the Planning and Land Use Management (PLUM) Committee Report in Council File No. 25-1217, the Department of Building and Safety (LADBS) is hereby submitting the attached technical clean-up ordinance for your consideration and adoption.

BACKGROUND

On December 9, 2025, the PLUM Committee considered the report and draft ordinance relative to amending Chapter IX of the Los Angeles Municipal Code (LAMC) to incorporate the 2025 Edition of the California Building Standards Code. At that meeting, the Committee recommended acknowledging the LADBS Rule 38 Communication dated December 8, 2025, and instructed LADBS to submit a technical clean-up amendment to the Council after the new California Building Code took effect on January 1, 2026.

The attached proposed ordinance addresses the concerns detailed in the Department's Rule 38 Response and serves as the requested technical clean-up proposed ordinance.

Please direct any questions regarding the proposed ordinance to Rudy Arias at rodolfo.arias@lacity.org or (213) 693-5880.

Osama Younan, PE
General Manager
Department of Building and Safety

ORDINANCE NO. _____

An ordinance amending Chapter IX of the Los Angeles Municipal Code to correct technical and clerical errors in Ordinance No. 188797, which adopted portions of the 2025 Edition of the California Building Standards Code and made local administrative, climatic, geological, topographical, or environmental changes as specified.

WHEREAS, Ordinance No. 188797 was approved by the Los Angeles City Council and became effective on January 1, 2026 (Council File No. 25-1217);

WHEREAS, Ordinance No. 188797 contains technical and clerical errors and omissions that need to be corrected;

WHEREAS, certain provisions of Chapter IX of the Los Angeles Municipal Code include erroneous references to other provisions of the Los Angeles Municipal Code or California Building Standards Code, and such erroneous references should be corrected; and

WHEREAS, in support of the following further modifications and changes, the City Council hereby expressly finds that the following amendments and modifications to the Los Angeles Municipal Code are reasonably necessary due to local administrative, climatic, geological, environmental, and topographical conditions.

NOW, THEREFORE,

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

Section 1. Section 91.202 of Division 2, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to delete the definition VERY HIGH FIRE HAZARD SEVERITY ZONE (VHFHSZ).

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

Sec. 2. Subsection 91.703.2.3 of Section 91.703, Division 7, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.703.2.3. Approved Alternate Method. The fire resistance of building elements, components or assemblies not complying with CBC Section 703.2.1 or 703.2.2 shall be permitted to be established by an alternative protection method in accordance with LAMC Section 91.104.2.6.

Sec. 3. Subsection 91.909.3 of Section 91.909, Division 9, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.909.3. Special Inspection and Test Requirements. In addition to the ordinary inspection and test requirements, which buildings, structures and parts of buildings and structures are required to undergo, smoke control systems subject to the provisions of LAMC Section 91.909 shall undergo special inspections and tests sufficient to verify the proper commissioning of the smoke control design in its final installed condition. The design submission accompanying the construction documents shall clearly detail procedures and methods to be used and the items subject to the inspections and tests. The commissioning shall be in accordance with generally accepted practice and, where possible, based on published standards for the particular testing involved. The special inspections and tests required by this section shall be in compliance with LAMC Section 91.1704.

A copy of the final report of the results of the special inspections and tests shall be filed with the Superintendent of Building and the Fire Department and an identical copy shall be maintained in an approved location at the building.

Sec. 4. Subsection 91.909.3.1 of Section 91.909, Division 9, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.909.3.1. System Testing. Prior to the issuance of a Certificate of Occupancy, all of the smoke-control systems shall be tested as required by the Department of Building and Safety and the Fire Department and shall show compliance with the minimum standards of both Departments. The tests shall be conducted in the presence of an

authorized representative from both Departments. A report of the results shall be submitted to both Departments.

Sec. 5. Subsection 91.909.3.2 of Section 91.909, Division 9, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.909.3.2. Periodic Retesting. After occupancy of the building, all operating parts of the smoke-control systems shall be retested every six months in accordance with the retest requirements established by the Department of Building and Safety and the Fire Department. The retest shall be conducted by an approved inspection agency or by the owner or the owner's representative when so approved by both Departments. Also, a report of the test results shall be submitted to both Departments.

Sec. 6. Subsection 91.1206.1 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.1. Purpose and Scope. The purpose of this section is to establish uniform minimum noise insulation performance standards to protect persons within new hotels, motels, dormitories, residential care facilities, apartment houses, dwellings, private schools, and places of worship from the effects of excessive noise, including but not limited to, hearing loss or impairment and interference with speech and sleep.

Sec. 7. Subsection 91.1206.1.2 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.1.2. Definitions. The following special definitions shall apply to this section:

SOUND TRANSMISSION CLASS (STC) is a single-number rating used to compare walls, floor-ceiling assemblies and doors for their sound-insulating properties with respect to speech and small household appliance noise. The STC is derived from laboratory measurements of sound transmission loss across a series of 16 test bands. Laboratory STC ratings should be used to the greatest extent possible in determining that the design complies with this section.

FIELD SOUND TRANSMISSION CLASS (FSTC) is a single-number rating similar to STC, except that the transmission loss values used to derive the FSTC are measured in the field. All sound transmitted from the source room to the receiving room is assumed to be through the separating wall or floor-ceiling assembly. This section does not require determination of the FSTC, and field-measured values of noise reduction should not be reported as transmission loss.

IMPACT INSULATION CLASS (IIC) is a single-number rating used to compare the effectiveness of floor-ceiling assemblies in providing reduction of impact-generated sounds such as footsteps. The IIC is derived from laboratory measurements of impact sound pressure level across a series of 16 test bands using a standardized tapping machine. Laboratory IIC ratings should be used to the greatest extent possible in determining that the design complies with this section.

FIELD IMPACT INSULATION CLASS (FIIC) is a single-number rating similar to the IIC, except that the impact sound pressure levels are measured in the field.

NOISE ISOLATION CLASS (NIC) is a single-number rating derived from measured values of noise reduction between two enclosed spaces that are connected by one or more paths. The NIC is not adjusted or normalized to a standard reverberation time.

NORMALIZED NOISE ISOLATION CLASS (NNIC) is a single-number rating similar to the NIC, except that the measured noise reduction values are normalized to a reverberation time of one-half second.

NORMALIZED A-WEIGHTED SOUND LEVEL DIFFERENCE (D_n) means for a specified source room sound spectrum, D_n is the difference, in decibels, between the average sound levels produced in two rooms after adjustment to the expected acoustical conditions when the receiving room under test is normally furnished.

DAY-NIGHT AVERAGE SOUND LEVEL (L_{dn}) is the A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 db adjustment added to sound levels occurring during nighttime hours (10 p.m. to 7 a.m.).

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL) is a metric similar to the L_{dn} , except that a 5 db adjustment is added to the equivalent continuous sound exposure level for evening hours (7 p.m. to 10 p.m.) in addition to the 10 db nighttime adjustment used in the L_{dn} .

Sec. 8. Subsection 91.1206.6 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.6. Relevant Standards. The current edition of the following standards is generally applicable for determining compliance with this section and copies may be obtained from the ASTM International: ASTM C 634, Standard Terminology Relating to Building and Environmental Acoustics; ASTM E 90, Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; ASTM E 336, Standard Test Method for Measurement of Airborne Sound Attenuation Between Rooms in Buildings; ASTM E 413, Classification for Rating Sound Insulation; ASTM E 492, Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine; ASTM E 497, Standard Recommended Practice for Installation of Fixed Partitions of Light Frame Type for the Purpose of Conserving Their Sound Insulation Efficiency; ASTM E 597, Recommended Practice for Determining a Single-Number Rating of Airborne Sound Isolation in Multi-unit Building Specifications; ASTM E 966, Standard Guide for Field Measurements of Airborne Sound Insulation of Building Facades and Facade Elements; ASTM E 989, Standard Classification for Determination of Impact Insulation Class (IIC); ASTM E 1007, Standard Test Method for Field Measurement of Tapping Machine Impact Sound Transmission Through Floor-Ceiling Assemblies and Associated Support Structures; and ASTM E 1014, Standard Guide for Measurement of Outdoor A-Weighted Sound Levels.

Sec. 9. Subsection 91.1206.7 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.7. Complaints. Where a complaint as to noncompliance with this division requires a field test, the complainant shall post a bond or adequate funds in escrow for the cost of the field test. Such costs shall be chargeable to the complainant if the field tests show compliance with this division. If the tests show noncompliance, testing costs shall be borne to the owner or builder.

Sec. 10. Subsection 91.1206.8 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.8. Local Modification. The governing body of any city or county or city and county may, by ordinance, adopt changes or modifications to the requirements of this section as set forth in Section 17922.7 of the Health and Safety Code.

Sec. 11. Subsection 91.1206.9 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.9. Interdwelling Sound Transmission Control.

Sec. 12. Subsection 91.1206.9.1 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.9.1. Wall and Floor-Ceiling Assemblies. Wall and floor-ceiling assemblies separating dwelling units or guest rooms from each other and from public or service areas such as interior corridors, garages and mechanical spaces shall provide airborne sound insulation for walls, and both airborne and impact sound insulation for floor-ceiling assemblies.

EXCEPTION: Impact sound insulation is not required for floor-ceiling assemblies over nonhabitable rooms or spaces not designed to be occupied, such as garages, mechanical rooms or storage areas.

Sec. 13. Subsection 91.1206.10 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.10. Airborne Sound Insulation. All such acoustically rated separating wall and floor-ceiling assemblies shall provide airborne sound insulation equal to that required to meet a sound transmission class (STC) rating of 50 based on laboratory tests as defined in ASTM E 90 and E 413. Field-tested assemblies shall meet a noise isolation class (NIC) rating of 45 for occupied units and a normalized noise isolation class (NINIC) rating of 45 for unoccupied units as defined in ASTM E 336 and E 413. ASTM E 597 may be used as simplified procedure for field tests of the airborne sound isolation between rooms in unoccupied buildings. In such tests, the minimum value of D_n is 45 db for compliance. Entrance doors from interior corridors together with their perimeter seals shall have STC ratings not less than 26. Such tested doors shall operate normally with commercially available seals. Solid-core wood-slab doors 1 3/8 inches (35 mm) thick minimum or 18 gauge insulated steel-slab doors with compression seals all around, including the threshold, may be considered adequate without other substantiating information. Field tests of corridor walls should not include segments with doors. If such

tests are impractical, however, the NIC or NNIC rating for the composite wall-door assembly shall not be less than 30. Penetrations or openings in construction assemblies for piping, electrical devices, recessed cabinets, bathtubs, soffits or heating, ventilating or exhaust ducts shall be sealed, lined, insulated or otherwise treated to maintain the required ratings.

Sec. 14. Subsection 91.1206.11 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.11. Impact Sound Insulation. All acoustically rated separating floor-ceiling assemblies shall provide impact sound insulation equal to that required to meet a IIC rating of 50 based on laboratory tests as defined in ASTM E 492 and E 989. Field-tested assemblies shall meet a field impact insulation class (FIIC) rating of 45 for both occupied and unoccupied units as defined in ASTM E 1007 and E 989, with the exception that the measured impact sound pressure levels shall not be normalized to a standard amount of absorption in the receiving room. Floor coverings may be included in the assembly to obtain the required ratings. These coverings must be retained as a permanent part of the assembly and may be replaced only by other floor coverings that provide the required impact sound insulation.

Sec. 15. Subsection 91.1206.12 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.12. Tested Assemblies. Laboratory-tested wall or floor-ceiling designs having STC or IIC ratings of 50 or more may be used by the Building Official to determine compliance with this section during plan review phase. Field tests shall be required by the Building Official when evidence of sound leaks or flanking paths is noted, or when the separating assembly is not built according to the approved design. Generic sound transmission control systems as listed in the Catalog of STC and IIC Ratings for Wall and Floor-Ceiling Assemblies, as published by the Office of Noise Control, California Department of Health Services, or the Fire Resistance Design Manual, as published by the Gypsum Association, may be used to evaluate construction assemblies for their sound transmission properties. Other tests from recognized laboratories may also be used. When ratings for essentially similar assemblies differ, and when ratings are below STC or IIC 50, field testing may be used to demonstrate that the building complies with this section. For field testing, rooms should ideally be large and reverberant for reliable measurements to be made in all test bands. This is often not possible for bathrooms, kitchens, hallways or rooms with large amounts of sound-absorptive materials. Field test results should, however, report the measured values in all bands, noting those which do not meet relevant ASTM criteria for diffusion. It should be noted that STC ratings do not adequately characterize the sound insulation of construction assemblies when the intruding noise is predominantly low-pitched, as is often produced by amplified music or by large pieces of mechanical equipment. It should also be noted that the transmission of impact sound from a standardized tapping machine may vary considerably for a given design due to differences in specimen size, flanking transmission through associated structure and the acoustical response of the room below. Laboratory IIC values should therefore be used with caution when estimating the performance of hard-surfaced floors in the field. Additionally, IIC ratings may not always be adequate to characterize the subjectively annoying creak or boom generated by footfalls on a lumber floor.

Sec. 16. Subsection 91.1206.13 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.13. Certification. Field testing, when required, shall be done under the supervision of a person experienced in the field of acoustical testing and engineering, who shall forward test results to the Building Official showing that the sound isolation requirements stated above have been met. Documentation of field test results should generally follow the requirements outlined in relevant ASTM standards.

Sec. 17. Subsection 91.1206.14 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.14. Exterior Sound Transmission Control.

Sec. 18. Subsection 91.1206.14.1 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.14.1. Application Consistent with Local Land-Use Standards. All structures identified in LAMC Subsection 91.1206.1 located in noise critical areas, such as proximity to highways, country roads, city streets, railroads, rapid transit lines, airports or industrial areas shall be designed to prevent the intrusion of exterior noises beyond prescribed levels. Proper design shall include, but shall not be limited to, orientation of the structure, setbacks, shielding and sound insulation of the building itself.

Sec. 19. Subsection 91.1206.14.2 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.14.2. Allowable Interior Noise Levels. Interior noise levels attributable to exterior sources shall not exceed 45 db in any habitable room. The noise metric shall be either the day-night average sound level (L_{dn}) or the community noise equivalent level (CNEL), consistent with the noise element of the local general plan.

Note: L_{dn} is the preferred metric for implementing these standards. Worst-case noise levels, either existing or future, shall be used as the basis for determining compliance with this section. Future noise levels shall be predicted for a period of at least ten (10) years from the time of building permit application.

Sec. 20. Subsection 91.1206.14.3 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.14.3. Airport Noise Sources. Residential structures and all other structures identified in LAMC Subsection 91.1206.1 located where the annual L_{dn} or CNEL (as defined in California Code of Regulations, Title 21, Division 2.5, Chapter 6, Section 5001) exceeds 60 db, shall require an acoustical analysis showing that the proposed design will achieve the prescribed allowable interior level.

EXCEPTION: New single-family detached dwellings and all non-residential noise sensitive structures located outside the noise impact boundary of 65 db CNEL are exempt from LAMC Section 91.1206.

Alterations or additions to all noise sensitive structures, within the 65 db and greater CNEL shall comply with LAMC Section 91.1206. If the addition or alteration cost exceeds 75% of the replacement cost of the existing structure, then the entire structure must comply with LAMC Section 91.1206.

For public-use airports or heliports, the L_{dn} or CNEL shall be determined from the Aircraft Noise Impact Area Map prepared by the Airport Authority. For military bases, the L_{dn} shall be determined from the facility Air Installation Compatible Use Zone (AICUZ) plan. For all other airports or heliports, or public-use airports or heliports for which a land-use plan has not been developed, the L_{dn} or CNEL shall be determined from the noise element of the general plan of the local jurisdiction.

When aircraft noise is not the only significant source, noise levels from all sources shall be added to determine the composite site noise level.

Sec. 21. Subsection 91.1206.16 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.16. Compliance. Evidence of compliance shall be submitted with the application for a building permit for all structures identified in LAMC Subsection 91.1206.1. Evidence of compliance shall consist of the submittal of an acoustical analysis report prepared under the supervision of a person experienced in the field of acoustical engineering or the use of prescriptive standards as determined by the Superintendent of Building for residential structures. The report shall show topographical relationships of noise sources and dwelling sites, identification of noise sources and their characteristics, predicted noise spectra and levels at the exterior of the proposed structure considering present and future land usage, the basis for the prediction (measured or obtained from published data), the noise attenuation measures to be applied, and an analysis of the noise insulation effectiveness of the proposed construction showing that the prescribed interior level requirements are met.

If interior allowable noise levels are met by requiring that windows be unopenable or closed, the design for the structure must also specify a ventilation or air-conditioning system to provide a habitable interior environment. The ventilation system must not compromise the interior room noise reduction.

Sec. 22. Subsection 91.1206.17 of Section 91.1206, Division 12, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1206.17. Field Testing. When inspection indicates that the construction is not in accordance with the approved design, or that the noise reduction is compromised due to sound leaks or flanking paths, field testing may be required. A test report showing compliance or noncompliance with prescribed interior allowable levels shall be submitted to the building official. Measurements of outdoor sound levels shall generally follow the guidelines in ASTM E 1014. Field measurements of the A-weighted airborne sound insulation of buildings from exterior sources shall generally follow the guidelines in ASTM E 966. For the purpose of this standard, sound level differences measured in unoccupied units shall be normalized to a receiving room reverberation time of one-half second. Sound level differences measured in occupied units shall not be normalized to a standard reverberation time.

Sec. 23. The title and table of contents of Division 15, Article 1, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

**DIVISION 15
ROOFS AND ROOF STRUCTURES**

Section

- 91.1500 Basic Provisions.
- 91.1505 Fire Classification.
- 91.1507 Requirements for Roof Coverings.
- 91.1511 Rooftop Structures.
- 91.1512 Reroofing.

Sec. 24. Subsection 91.1603.1.10 of Section 91.1603, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1603.1.10. Systems and Components Requiring Special Inspections for Seismic Resistance. Construction documents or specifications shall be prepared for those systems and components requiring special inspection for seismic resistance as specified in CBC Section 1705.13 by the registered design professional responsible for their design and shall be submitted for approval in accordance with LAMC Subsection 91.106.3.3. Reference to seismic standards in lieu of detailed drawings is acceptable.

Sec. 25. Subsection 91.1609.1.1.2 of Section 91.1609, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1609.1.1.2. High Wind Velocity Areas. The Superintendent of Building may designate certain areas of the City as “high wind velocity areas” when evidence or studies indicate that the wind velocity results in damage to structures conforming to the minimum requirements of this Code. The Superintendent of Building may specify additional requirements over and above those required by this Code with respect to the following:

1. Glazing of openings in exterior walls;
2. Anchorage of post and beam construction;
3. Cantilever overhangs; and
4. Roofing and roof framing.

Sec. 26. Subsection 91.1612.3 of Section 91.1612, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

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

The adopted flood hazard map and supporting data are hereby adopted by reference and declared to be part of this section.

Sec. 27. Section 91.1613 of Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is amended, with no other changes to existing subsections therein, to read as follows:

SEC. 91.1613. EARTHQUAKE LOADS.

Section 1613 of the CBC is adopted by reference, and Los Angeles Municipal Code Subsections 91.1613.8 through 91.1613.12.1.3.4-5 are added to read as follows:

Sec. 28. Subsection 91.1613.9 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9. Seismic Design Provisions for Hillside Buildings.

Sec. 29. Subsection 91.1613.9.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.1. Purpose. The purpose of this section is to establish minimum regulations for the design and construction of new buildings and additions to existing buildings when constructing such buildings on or into slopes steeper than one unit vertical in three units horizontal (33.3%). These regulations establish minimum standards for seismic force resistance to reduce the risk of injury or loss of life in the event of earthquakes.

Sec. 30. Subsection 91.1613.9.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.2. Scope. The provisions of this section shall apply to the design of the lateral-force-resisting system for hillside buildings at and below the base level diaphragm. The design of the lateral-force-resisting system above the base level diaphragm shall be in accordance with the provisions for seismic and wind design as required elsewhere in this division.

EXCEPTION: Non-habitable accessory buildings and decks not supporting or supported from the main building are exempt from these regulations.

Sec. 31. Subsection 91.1613.9.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.3. Definitions. For the purposes of this section, certain terms are defined as follows:

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

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

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

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

FOUNDATION EXTENDING IN THE DOWNHILL DIRECTION is a foundation running downhill and approximately perpendicular to the uphill foundation.

HILLSIDE BUILDING is any building or portion thereof constructed on or into a slope steeper than one unit vertical in three units horizontal (33.3%). If only a portion of the building is supported on or into the slope, these regulations apply to the entire building.

PRIMARY ANCHORS are diaphragm anchors designed for and providing a direct connection as described in LAMC Subdivision 91.1613.9.5 and Paragraph 91.1613.9.7.3 between the diaphragm and the uphill foundation.

SECONDARY ANCHORS are diaphragm anchors designed for and providing a redundant diaphragm to foundation connection, as described in LAMC Subdivision 91.1613.9.6 and Paragraph 91.1613.9.7.4.

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

UPHILL FOUNDATION is the foundation parallel and closest to the uphill diaphragm edge.

Sec. 32. Subsection 91.1613.9.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.4. Analysis and Design.

Sec. 33. Subsection 91.1613.9.4.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

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

Sec. 34. Subsection 91.1613.9.4.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

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

Sec. 35. Subsection 91.1613.9.4.2.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.4.2.1. Base for Lateral Force Design Defined. For seismic forces acting in the downhill direction, the base of the building shall be the floor at, or closest to, the top of the highest level of the foundation.

Sec. 36. Subsection 91.1613.9.4.2.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.4.2.2. Base Shear. In developing the base shear for seismic design, the response modification coefficient (R) shall not exceed 5 for bearing wall and building frame systems. The total base shear shall include the forces tributary to the base level diaphragm including forces from the base level diaphragm.

Sec. 37. Subsection 91.1613.9.5 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.5. Base Shear Resistance - Primary Anchors.

Sec. 38. Subsection 91.1613.9.5.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.5.1. General. The base shear in the downhill direction shall be resisted through primary anchors from diaphragm struts provided in the base level diaphragm to the foundation.

Sec. 39. Subsection 91.1613.9.5.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.5.2. Location of Primary Anchors. A primary anchor and diaphragm strut shall be provided in line with each foundation extending in the downhill direction. Primary anchors and diaphragm struts shall also be provided where interior vertical lateral-force-resisting elements occur above and in contact with the base level diaphragm. The spacing of primary anchors and diaphragm struts or collectors shall in no case exceed 30 feet (9144 mm).

Sec. 40. Subsection 91.1613.9.5.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.5.3. Design of Primary Anchors and Diaphragm Struts. Primary anchors and diaphragm struts shall be designed in accordance with the requirements of LAMC Subdivision 91.1613.9.8.

Sec. 41. Subsection 91.1613.9.5.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

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

1. Wood structural panel wall sheathing,

2. Cement plaster and lath,
3. Gypsum wallboard, and
4. Tension only braced frames.

Braced frames designed in accordance with the requirements of CBC Section 2202.2.14 may be used to transfer forces from the primary anchors and diaphragm struts to the foundation, provided lateral forces do not induce flexural stresses in any member of the frame or in the diaphragm struts. Deflections of frames shall account for the variation in slope of diagonal members when the frame is not rectangular.

Sec. 42. Subsection 91.1613.9.6 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.6. Base Shear Resistance - Secondary Anchors.

Sec. 43. Subsection 91.1613.9.6.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.6.1. General. In addition to the primary anchors required by LAMC Subdivision 91.1613.9.5, the base shear in the downhill direction shall be resisted through secondary anchors in the uphill foundation connected to diaphragm struts in the base level diaphragm.

EXCEPTION: Secondary anchors are not required where foundations extending in the downhill direction spaced at not more than 30 feet (9144 mm) on center extend up to and are directly connected to the base level diaphragm for at least 70% of the diaphragm depth.

Sec. 44. Subsection 91.1613.9.6.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.6.2. Secondary Anchor Capacity and Spacing. Secondary anchors at the base level diaphragm shall be designed for a minimum force equal to the base shear, including forces tributary to the base level diaphragm, but not less than 600 pounds per lineal foot (8.76 kN/m). The secondary anchors shall be uniformly distributed along the uphill diaphragm edge and shall be spaced a maximum of four feet (1219 mm) on center.

Sec. 45. Subsection 91.1613.9.6.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.6.3. Design. Secondary anchors and diaphragm struts shall be designed in accordance with LAMC Subdivision 91.1613.9.8.

Sec. 46. Subsection 91.1613.9.7 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.7. Diaphragms Below the Base Level - Downhill Direction. The following provisions shall apply to the lateral analysis and design of the connections for all diaphragms below the base level diaphragm in the downhill direction.

Sec. 47. Subsection 91.1613.9.7.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.7.1. Diaphragm Defined. Every floor level below the base level diaphragm shall be designed as a diaphragm.

Sec. 48. Subsection 91.1613.9.7.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.7.2. Design Force. Each diaphragm below the base level diaphragm shall be designed for all tributary loads at that level using a minimum seismic force factor not less than the base shear coefficient.

Sec. 49. Subsection 91.1613.9.7.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.7.3. Design Force Resistance - Primary Anchors. The design force described in LAMC Paragraph 91.1613.9.7.2 shall be resisted through primary anchors from diaphragm struts provided in each diaphragm to the foundation. Primary anchors shall be provided and designed in accordance with the requirements and limitations of LAMC Subdivision 91.1613.9.5.

Sec. 50. Subsection 91.1613.9.7.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.7.4. Design Force Resistance - Secondary Anchors.

Sec. 51. Subsection 91.1613.9.7.4.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.7.4.1. General. In addition to the primary anchors required in LAMC Paragraph 91.1613.9.5 the design force in the downhill direction shall be resisted through secondary anchors in the uphill foundation connected to diaphragm struts in each diaphragm below the base level.

EXCEPTION: Secondary anchors are not required where foundations extending in the downhill direction, spaced at not more than 30 feet (9144 mm) on center, extend up to and are directly connected to each diaphragm below the base level for at least 70% of the diaphragm depth.

Sec. 52. Subsection 91.1613.9.7.4.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.7.4.2. Secondary Anchor Capacity. Secondary anchors at each diaphragm below the base level diaphragm shall be designed for a minimum force equal to the design force but not less than 300 pounds per lineal foot (4.38 kN/m). The secondary

anchors shall be uniformly distributed along the uphill diaphragm edge and shall be spaced a maximum of four feet (1219 mm) on center.

Sec. 53. Subsection 91.1613.9.7.4.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.7.4.3. Design. Secondary anchors and diaphragm struts shall be designed in accordance with LAMC Subdivision 91.1613.9.8.

Sec. 54. Subsection 91.1613.9.8 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.8. Primary and Secondary Anchorage and Diaphragm Strut Design.

Primary and secondary anchors and diaphragm struts shall be designed in accordance with the following provisions:

1. **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 a minimum 0.229 inch by 3 inches by 3 inches (5.82 mm by 76 mm by 76 mm) in size. Nuts shall be tightened to finger tight plus one-half (1/2) wrench turn prior to covering the framing.
2. **Fastening.** The diaphragm to foundation anchorage shall not be accomplished by the use of toenailing, nails subject to withdrawal, or wood in cross-grain bending or cross-grain tension.
3. **Size of Wood Members.** Wood diaphragm struts collectors, and other wood members connected to primary anchors shall not be less than three-inch (76 mm) nominal width. The effects of eccentricity on wood members shall be evaluated as required per Item 9.
4. **Design.** Primary and secondary anchorage, including diaphragm struts, splices, and collectors shall be designed for 125% of the tributary force.
5. **Allowable Stress Increase.** The allowable stress increase permitted under CBC Section 1605.3.2 shall not be taken when the working (allowable) stress design method is used.
6. **Steel Element of Structural Wall Anchorage System.** The strength design forces for steel elements of the structural wall anchorage system, with the exception of anchor bolts and reinforcing steel, shall be increased by 1.4 times the forces otherwise required.
7. **Primary Anchors.** The load path for primary anchors and diaphragm struts shall be fully developed into the diaphragm and into the foundation. The foundation must be shown to be adequate to resist the concentrated loads from the primary anchors.
8. **Secondary Anchors.** The load path for secondary anchors and diaphragm struts shall be fully developed in the diaphragm but need not be developed beyond the connection to the foundation.

9. **Symmetry.** All lateral force foundation anchorage and diaphragm strut connections shall be symmetrical. Eccentric connections may be permitted when demonstrated by calculation or tests that all components of force have been provided for in the structural analysis or tests.

10. **Wood Ledgers.** Wood ledgers shall not be used to resist cross-grain bending or cross-grain tension.

Sec. 55. Subsection 91.1613.9.9 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.9. Lateral-Force-Resisting Elements Normal to the Downhill Direction.

Sec. 56. Subsection 91.1613.9.9.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.9.1. General. In the direction normal to the downhill direction, lateral-force-resisting elements shall be designed in accordance with the requirements of this section.

Sec. 57. Subsection 91.1613.9.9.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.9.2. Base Shear. In developing the base shear for seismic design, the response modification coefficient (R) shall not exceed 5 for bearing wall and building frame systems.

Sec. 58. Subsection 91.1613.9.9.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.9.3. Vertical Distribution of Seismic Forces. For seismic forces acting normal to the downhill direction, the distribution of seismic forces over the height of the building using Section 12.8.3 of ASCE 7 shall be determined using the height measured from the top of the lowest level of the building foundation.

Sec. 59. Subsection 91.1613.9.9.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.9.4. Drift Limitations. The story drift below the base level diaphragm shall not exceed 0.007 times the story height at strength design force level. The total drift from the base level diaphragm to the top of the foundation shall not exceed 3/4 inch (19 mm). Where the story height or the height from the base level diaphragm to the top of the foundation varies because of a stepped footing or story offset, the height shall be measured from the average height of the top of the foundation. The story drift shall not be reduced by the effect of horizontal diaphragm stiffness.

Sec. 60. Subsection 91.1613.9.9.5 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.9.5. Distribution of Lateral Forces.

Sec. 61. Subsection 91.1613.9.9.5.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.9.5.1. General. The design lateral force shall be distributed to lateral-force-resisting elements of varying heights in accordance with the stiffness of each individual element.

Sec. 62. Subsection 91.1613.9.9.5.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.9.5.2. Wood Structural Panel Sheathed Walls. 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 AWC SDPWS Section 4.3.2. 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. The minimum horizontal length of a step shall be 8 feet (2438 mm) and the maximum vertical height of a step shall be 2 feet, 8 inches (813 mm).

Sec. 63. Subsection 91.1613.9.9.5.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.9.5.3. Reinforced Concrete or Masonry Shear Walls. Reinforced concrete or masonry shear walls shall have forces distributed in proportion to the rigidity of each section of the wall.

Sec. 64. Subsection 91.1613.9.9.6 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1613.9.9.6. Limitations. The following lateral force-resisting-elements shall not be designed to resist lateral forces below the base level diaphragm in the direction normal to the downhill direction:

1. Cement plaster and lath;
2. Gypsum wallboard; and
3. Tension-only braced frames.

Braced frames designed in accordance with the requirements of CBC Section ~~22022205~~ 2.1.2 may be designed as lateral-force-resisting elements in the direction normal to the downhill direction, provided lateral forces do not induce flexural stresses in any member of the frame.

Sec. 65. Subsection 91.1613.9.10 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.10. Specific Design Provisions.

Sec. 66. Subsection 91.1613.9.10.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.10.1. Footings and Grade Beams. All footings and grade beams shall comply with the following:

1. Grade beams shall extend at least 12 inches (305 mm) below the lowest adjacent grade and provide a minimum 24-inch (610 mm) distance horizontally from the bottom outside face of the grade beam to the face of the descending slope.
2. Continuous footings shall be reinforced with at least two No. 4 reinforcing bars at the top and two No. 4 reinforcing bars at the bottom.
3. All main footing and grade beam reinforcement steel shall be bent into the intersecting footing and fully developed around each corner and intersection.
4. All concrete stem walls shall extend from the foundation and reinforced as required for concrete or masonry walls.

Sec. 67. Subsection 91.1613.9.10.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.10.2. Protection Against Decay and Termites. All wood to earth separation shall comply with the following:

1. Where a footing or grade beam extends across a descending slope, the stem wall, grade beam, or footing shall extend up to a minimum 18 inches (457 mm) above the highest adjacent grade.

EXCEPTION: At paved garage and doorway entrances to the building, the stem wall need only extend to the finished concrete slab, provided the wood framing is protected with a moisture proof barrier.

2. Wood ledgers supporting a vertical load of more than 100 pounds per lineal foot (1.46 kN/m) and located within 48 inches (1219 mm) of adjacent grade are prohibited. Galvanized steel ledgers and anchor bolts, with or without wood nailers, or treated or decay resistant sill plates supported on a concrete or masonry seat, may be used.

Sec. 68. Subsection 91.1613.9.10.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.10.3. Sill Plates. All sill plates and anchorage shall comply with the following:

1. All wood framed walls, including nonbearing walls, when resting on a footing, foundation, or grade beam stem wall, shall be supported on wood sill plates bearing on a level surface.
2. Power-driven fasteners shall not be used to anchor sill plates except at interior nonbearing walls not designed as shear walls.

Sec. 69. Subsection 91.1613.9.10.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.10.4. Column Base Plate Anchorage. The base of isolated wood posts (not framed into a stud wall) supporting a vertical load of 4,000 pounds (17.8 kN) or more and the base plate for a steel column shall comply with the following:

1. When the post or column is supported on a pedestal extending above the top of a footing or grade beam, the pedestal shall be designed and reinforced as required for concrete or masonry columns. The pedestal shall be reinforced with a minimum of four No. 4 bars extending to the bottom of the footing or grade beam. The top of exterior pedestals shall be sloped for positive drainage.
2. The base plate anchor bolts or the embedded portion of the post base, and the vertical reinforcing bars for the pedestal, shall be confined with two No. 4 or three No. 3 ties within the top 5 inches (127 mm) of the concrete or masonry pedestal. The base plate anchor bolts shall be embedded a minimum of 20-bolt diameters into the concrete or masonry pedestal. The base plate anchor bolts and post bases shall be galvanized and each anchor bolt shall have at least two galvanized nuts above the base plate.

Sec. 70. Subsection 91.1613.9.10.5 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.9.10.5. Steel Beam to Column Supports. All steel beam to column supports shall be positively braced in each direction. Steel beams shall have stiffener plates installed on each side of the beam web at the column. The stiffener plates shall be welded to each beam flange and the beam web. Each brace connection or structural member shall consist of at least two 5/8 inch (15.9 mm) diameter machine bolts.

Sec. 71. Subsection 91.1613.10 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.10. Earthquake Recording Instrumentation.

Sec. 72. Subsection 91.1613.10.1 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.10.1. Applicability. The requirements of this section shall apply to buildings for which permits were issued after July 1, 1965.

Sec. 73. Subsection 91.1613.10.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.10.2. General. Every new building over six stories in height with an aggregate floor area of 60,000 square feet (5574 m²) or more and every new building over ten stories in height regardless of the floor area shall be equipped with at least three approved recording accelerographs.

EXCEPTIONS:

1. A building selected by the State of California as part of its Strong Motion Instrumentation Program (California Public Resources Code Section 2700 et seq.) need not comply with this section until it ceases to be part of the program.
2. All new buildings that are designed using the non-linear response history procedure of "Seismic Response History Procedures" of Chapter 16 of ASCE 7 shall be equipped with a structural monitoring system in accordance with standards established by the Superintendent of Building.
3. A building designed using a two-stage analysis procedure per Section 12.2.3.2 of ASCE 7 having a flexible upper portion above a rigid lower portion and a total building height not exceeding 85 feet above the grade plane.

Sec. 74. Subsection 91.1613.10.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.10.3. Maintenance. Maintenance and service of the instruments shall be provided by the owner of the building subject to the approval of the Superintendent of Building. Data produced by the instruments shall be made available to the Superintendent of Building on request.

Maintenance and service of the instruments shall be performed annually and shall be performed only by an approved testing agency. The owner shall file with the Department a written report from an approved testing agency certifying that each instrument has been serviced and is in proper working condition. This report shall be submitted when the instruments are installed and annually thereafter. Each instrument shall have affixed to it an externally visible tag specifying the date of the last maintenance or service and the printed name and address of the testing agency performing the service.

Sec. 75. Subsection 91.1613.10.4 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.10.4. Location. For new buildings requiring accelerographs in accordance with LAMC Subdivision 91.1613.10.2, the instruments shall be located in the basement, mid-height and near the top of the building. Each instrument shall be located so that access is maintained at all times and is unobstructed by room contents. A sign stating "MAINTAIN CLEAR ACCESS TO THIS INSTRUMENT" in 1 inch (25.4 mm) block letters shall be posed in a conspicuous location at the instrument.

Sec. 76. Subsection 91.1613.10.5 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.10.5. Instrumentation of Existing Buildings. All owners of existing structures selected by the Department shall provide accessible space for the installation of appropriate earthquake-recording instruments. Locations of the instruments shall be determined by the engineer of record and approved by the Department. The owners shall make arrangements with the Department to provide, maintain and service the instruments as required above. Data shall be the property of the Department, but copies of individual records shall be made available to the public on request with the payment of an appropriate fee.

All legally existing instruments shall be maintained and serviced in proper working condition. Each instrument shall be maintained and serviced as specified by LAMC Subdivision 91.1613.10.3 and shall be provided with a sign as required by LAMC Subdivision 91.1613.10.4.

Sec. 77. Subsection 91.1613.11.2 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.11.2. ASCE 7, Section 12.2.3.1, Exception 3 is modified to read as follows:

3. Detached one- and two- family dwellings up to two stories in height of light frame construction.

Sec. 78. Subsection 91.1613.11.3 of Section 91.1613, Division 16, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1613.11.3. General. The text of ASCE 7, Section 12.11.2.2.3 is modified to read as follows:

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

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

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

Sec. 79. Subsection 91.1703.1 of Section 91.1703, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1703.1. Approved Agency. Pursuant to LAMC Section 98.0503, a testing agency shall provide all information required by the Superintendent of Building to determine whether the agency shall become an approved testing agency.

Sec. 80. Subsection 91.1703.2 of Section 91.1703, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1703.2. Written Approval. Any new material, appliance, equipment, system or method of construction meeting the requirements of this Code shall be approved in

writing after satisfactory completion of the required tests and submission of required test reports pursuant to LAMC Sections 98.0501 and 98.0502.

Sec. 81. Subsection 91.1703.3 of Section 91.1703, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1703.3. Approved Record. For any material, appliance, equipment, system or method of construction that has been approved, a record of that approval, including the conditions and limitations of the approval, shall be kept on file in the Department and shall be open to public inspection at appropriate times.

Sec. 82. Subsection 91.1703.4 of Section 91.1703, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1703.4. Performance. Specific information consisting of test reports conducted by an approved testing agency in accordance with standards referenced in Division 35, Article 1, Chapter IX of the LAMC, or other information as necessary, shall be provided for the Superintendent of Building to determine that the material meets the applicable Code requirements, including LAMC Sections 98.0501 and 98.0502.

Sec. 83. Subsection 91.1703.4.1 of Section 91.1703, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1703.4.1. Research and Investigation. Sufficient technical data shall be submitted to the Superintendent of Building to substantiate the proposed use of any product, material or assembly. If it is determined that the evidence submitted is satisfactory proof of performance for the use intended, the Superintendent of Building shall approve the use of the product, material or assembly subject to the requirements of this Code. The costs, reports and investigations required under these provisions shall be paid by the permit applicant as required by LAMC Sections 98.0501, 98.0502 and 98.0503.

Sec. 84. Subsection 91.1703.4.2 of Section 91.1703, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1703.4.2. Research Reports. Supporting data, where necessary to assist in the approval of products, materials or assemblies not specifically provided for in this Code, shall consist of valid research reports from approved sources as required in LAMC Sections 98.0501 and 98.0502.

Sec. 85. Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

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

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

Sec. 86. Subsection 91.1704.1.1 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.1.1. Certified Licensed Contractors.

Sec. 87. Subsection 91.1704.1.2 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.1.2. Registration. Application for registration as a certified licensed contractor shall be made to the Superintendent of Building on a form furnished by the Department and a separate application shall be made for each type of registration desired. Before the application can be accepted, the applicant must furnish proof satisfactory to the Department that the applicant holds a valid active California State Contractor's License in the same specialty as the certification requested.

Sec. 88. Subsection 91.1704.1.3 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.1.3. Application.

1. **Form.** Application for a Certificate of Registration shall be made on a form furnished by the Department.
2. **Information Necessary.** The application shall bear the name and address of the applicant and, if the applicant is employed by a firm, partnership or corporation, the names of the principal officers should also be included. The application shall carry other information deemed necessary by the Department.
3. **Verification.** The applicant shall declare that the information contained in the application is true and correct.
4. **Fee.** The application shall be accompanied by an examination fee of \$188.

Sec. 89. Subsection 91.1704.1.4 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.1.4. Examination.

1. **Examination Required.** Before issuance of a Certificate of Registration, the applicant shall have successfully passed the examination required for the issuance of the Certificate of Registration within ninety (90) days preceding the date of the issuance. To be eligible for the examination for a Certificate of Registration, the applicant shall have a valid California State Contractor's License in an appropriate specialty and a valid City Business Tax Certificate.
2. **Board of Examiners.** The Superintendent of Building and/or Board of Examiners composed of three qualified persons appointed by the Superintendent of Building shall conduct examinations. The results of every examination shall be subject to the approval of the Superintendent of Building. Each examiner shall serve at the

pleasure of the Superintendent of Building and shall serve for a period of one year unless re-appointed by the Superintendent of Building.

3. **Scope of Examination.** The examination shall, in the judgment of the Superintendent of Building, fairly determine the ability of the applicant to perform properly the work, which the applicant would be authorized to do by the Certificate of Registration requested, and may include the following:
 - a. A written test.
 - b. Practical tests as may be required.
 - c. An oral interview as may be required.
 - d. Other tests as may be required by the Board of Examiners.
4. **Time of Examination.** The applicant shall be examined as soon as practicable after filing an application.
5. **Rules and Regulations.** The Department shall have the authority to establish rules and regulations for the conduct of examinations.
6. **Fitness of Applicant.** Any applicant may be required to submit satisfactory proof of the applicant's fitness to carry out the intent of this Code.
7. **Failure to Pass.** An applicant who fails to pass an examination shall not be eligible for another examination until four (4) weeks after taking the previous examination.

Sec. 90. Subsection 91.1704.1.5 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.1.5. Issuance of Certificates.

1. The Superintendent of Building shall issue separate Certificates of Registration for each of the following categories:
 - a. FAU/AC units; evaporative coolers.
 - b. Domestic water piping/plumbing fixtures/hot water heaters/solar panels.
 - c. Reroofing and roof repair.
 - d. Electrical equipment/fixtures/smoke detectors.
 - e. Masonry and concrete fences.
 - f. Masonry chimney repairs.
 - g. Shower pan replacement.

Nothing here prohibits any person from being qualified for more than one type of certification, provided the person files an application, pays the required fees, takes the required examinations and is duly qualified by the Superintendent of Building for each type of certification.

2. Upon payment of a \$45 fee, the Department may issue a Certificate of Registration to every applicant who passes the required examination for a Certified Licensed Contractor.
3. Each Certificate of Registration shall expire twelve (12) months from the date of issuance.
4. The Superintendent of Building shall keep on file a list, open to public inspection, of the names of all registered certified licensed contractors, showing the type of work each has been authorized to inspect.
5. **Renewal of Certificates.** Expired Certificates of Registration may be renewed at any time within thirty (30) days following the date of expiration. After a Certificate of Registration has been expired for thirty (30) days, it may not be renewed; rather, a new application for a new certificate must be submitted at that time.

Sec. 91. Subsection 91.1704.1.6 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.1.6. Exhibition of Certificate.

1. Every person having a fixed place of business shall keep their Certificate of Registration posted in some conspicuous location at their place of business during the time the certificate is in force.
2. Every person not having a fixed place of business shall carry their Certificate of Registration with them at all times while doing any inspections or other work pursuant to this certificate.

Sec. 92. Subsection 91.1704.1.7 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.1.7. Revocation of Certificate. The Superintendent of Building may revoke, suspend or refuse to renew any Certificate of Registration upon a showing of incompetence, willful or negligent failure to observe or report violations of this Code, or failure to maintain a valid active California State Contractor's License in the same specialty as the certification. Prior to any action, the holder shall be given an opportunity to appear before the Superintendent of Building and be heard.

Suspension or revocation of any Certificate of Registration issued under this Section shall be in accordance with the provisions of Article 8, Chapter IX of the LAMC.

Sec. 93. Subsection 91.1704.2 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.2. Special Inspections. Where application is made for construction as described in this section, the owner or the registered design professional in responsible charge acting as the owner's agent shall employ one or more Registered Deputy Inspectors to perform inspections during construction on the types of work listed under CBC Section 1705. The Registered Deputy Inspector shall be a qualified person as set forth in LAMC Subsection 91.1704.2.1 and shall demonstrate competence to the satisfaction of the Superintendent of Building for inspection of the particular type of construction or operation requiring special inspection.

The special inspections shall be in addition to the inspections made by the employees of the Department as set forth in LAMC Section 91.108.

All special inspections shall be made by a Registered Deputy Inspector. Whenever the term "Special Inspector" is used in this Code, it shall mean "Registered Deputy Inspector" as described in LAMC Subdivision 91.1704.2.1.

EXCEPTIONS:

1. Special inspections are not required for construction of a minor nature or as warranted by conditions in the jurisdiction as approved by the Superintendent of Building.
2. Unless otherwise required by the Superintendent of Building, special inspections are not required for Group U occupancies that are accessory to a residential occupancy including, but not limited to, those listed in CBC Section 312.1.
3. Special inspections are not required for portions of structures designed and constructed in accordance with the cold-formed steel light-frame construction provisions of CBC Section 2211.7 or the conventional light-frame construction provisions of CBC Section 2308.
4. The contractor is permitted to employ the approved agencies where the contractor is also the owner.

Sec. 94. Subsection 91.1704.2.1 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.2.1. Registered Deputy Inspector Qualifications. An applicant for Deputy Inspector shall provide written documentation to the Superintendent of Building demonstrating the applicant's competence and relevant experience or training. Experience or training shall be considered relevant when the documented experience or training is related in complexity to the same type of special inspection activities for projects of similar complexity and material qualities. These qualifications are in addition to qualifications specified in other sections of this Code.

Application for registration as a Registered Deputy Inspector shall be made to the Superintendent of Building on a form furnished by the Department. A separate application shall be made for each type of registration desired. Registration is available for the following types of inspections: Reinforced Concrete (RC), Structural Masonry

(SM), Structural Steel/Welding (SSW), Grading (GD), Sprayed Fire resistant Materials (SFRM), Methane Barrier (MB) and Wood (WD).

A committee appointed by the Superintendent of Building shall examine each applicant as to the applicant's experience and training for performing the duties of an inspector of the type for which application has been made. Additionally, the applicant will be examined on the applicant's knowledge of the LAMC and Registered Deputy Inspector duties, responsibilities and procedures. When satisfied as to the fitness of the applicant, the Superintendent of Building shall issue a Certificate of Registration. Upon application for renewal of a Certificate of Registration, the applicant shall be re-examined to ascertain the applicant's fitness to perform the duties of inspector of the type for which application has been made.

EXCEPTION: If the Department determines that the initial examination (which includes general knowledge, code requirements and plan comprehension) for the special inspector program under the International Code Council (ICC) is equivalent to the above-described initial or renewal examination, then the Department may accept the results of the ICC examination in lieu of the Department's examination in that category; however, the Department will be examining the applicant's knowledge of the LAMC and Registered Deputy Inspector duties, responsibilities and procedures.

The Superintendent of Building shall issue a separate Certificate of Registration for each type of registration requiring special inspection in accordance with LAMC Section 91.1704 and as determined by the Superintendent of Building for any construction requiring either continuous or periodic special inspection.

Nothing here shall be deemed to prohibit any one person from being qualified for more than one type of special inspection, provided the person applies, pays the required fees, takes the required examinations and is duly qualified by the Superintendent of Building for each type.

Each Certificate of Registration shall expire three (3) years from the date of issuance, but may be renewed by the Superintendent of Building within a grace period of thirty (30) days thereafter.

The Department shall maintain a list of the names of all Registered Deputy Inspectors, showing the type of work each has been authorized to inspect. This list shall be available to the public.

Upon evidence satisfactory to the Superintendent of Building of incompetence, of willful or negligent failure to observe or report violations of this Code, or of any other failure to perform properly and effectively the duties assumed by a Registered Deputy Inspector, the Superintendent of Building may revoke, suspend or refuse to renew any Certificate of Registration. But, prior to that action, the holder shall be given an opportunity to appear before the Superintendent of Building and be heard.

Except where there is a City employee inspecting buildings or structures being erected or repaired by the City, no Registered Deputy Inspector shall receive any compensation from the City. A Registered Deputy Inspector shall undertake and perform the duties of inspection solely on the request of the owner or the owner's agent. The designation shall

be deemed to indicate that the duties incident to the inspection are within the course and scope of the Registered Deputy Inspector's employment by the owner or agent, and except where the Registered Deputy Inspector is in fact an employee of the City, the Registered Deputy Inspector shall not be deemed an employee of the City, a contractor, a subcontractor or a material vendor for any purpose.

The registered design professional in responsible charge and engineers of record involved in the design of the project are permitted to act as the supervising agency and their personnel are permitted to act as the deputy inspector for the work designed by them, provided they qualify as Registered Deputy Inspectors.

Sec. 95. Subsection 91.1704.2.1.1 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.2.1.1. Duties and Responsibilities of the Registered Deputy Inspector.

1. The Registered Deputy Inspector employed on any work must be present during the execution of all the work the Registered Deputy Inspector has undertaken to inspect. The Registered Deputy Inspector shall notify the Department of the commencement of inspection of a job and shall specify the type of inspection for which the Registered Deputy Inspector has been engaged. This notification shall be made no later than the last working day preceding the commencement of inspection. The Registered Deputy Inspector shall report to the job sufficiently in advance of construction to review the plans and to inspect all materials to be used or concealed within the work, shall inspect the construction, erection, placing or other use of the materials, and shall observe whether there is compliance with the Code as to all of the foregoing. During the execution of the work, the Registered Deputy Inspector shall not undertake or engage in any other task or occupation that will interfere with the proper performance of the Registered Deputy Inspector's duties relating to the inspections. The Registered Deputy Inspector shall report, as directed, to the Superintendent of Building, noting all violations of this Code that have occurred and any other information as may be required. At the conclusion of the Registered Deputy Inspector's duties on any project, which has been completed in accordance with this Code, the Registered Deputy Inspector shall submit a report to the Department setting forth the portion of the work inspected. The report shall be made on forms supplied by the Department and shall be filed with the Department.
2. Nothing here shall be deemed to authorize any Registered Deputy Inspector to approve any inspection required by this Code, other than the special inspection for which the Registered Deputy Inspector was hired and is of the type for which the Registered Deputy Inspector is registered.
3. Where, in the opinion of the Department, the magnitude or complexity of a job warrants it, additional Registered Deputy Inspectors may be required.
4. Where, in the opinion of the Department, the Registered Deputy Inspector is negligent in the performance of the Deputy Inspector's duties, the job shall be stopped.

5. Nothing herein shall be deemed to authorize any Registered Deputy Inspector to approve the pouring of concrete, the placement of masonry, structural steel or fill prior to the approval of the regular building inspector.

Sec. 96. Subsection 91.1704.2.1.2 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.2.1.2. Fees for Registered Deputy Inspector.

1. **New Application.** Before accepting any application for registration as a Registered Deputy Inspector, the Department shall collect a new examination fee of \$528. A separate application shall be submitted and a separate examination fee shall be collected for each additional type of registration desired. When the applicant passes the examination(s), a Certificate(s) of Registration for each type of examination passed shall be issued. If the applicant fails to pass an examination, the applicant may reapply and again pay the examination fees. No refund(s) will be given to the applicant after the Department has administered the examination(s).
2. **Renewal Application.** Before renewing a Certificate of Registration as a Registered Deputy Inspector, the Department shall collect a renewal Registration and examination fee in the amount of \$482. A separate application shall be submitted and a separate examination fee shall be collected for each additional type of renewal registration desired. When the applicant passes the examination(s), a Certificate(s) of Registration for each type of examination passed shall be issued. If the applicant fails to pass the examination(s), the applicant may reapply; however, the applicant must again pay the renewal Registration and examination fees before the Department can issue the Certificate of Registration(s). No refund(s) will be given to applicant after the Department has administered the examination.
3. **International Code Council (ICC) Certification(s).** International Code Council (ICC) Certification(s) is required prior to taking the Department's new or renewal examination(s). In addition to ICC's certification, the Department's examination will be required for each type of registration and fees collected as specified in this Section.

EXCEPTIONS:

If the ICC does not have an examination for a Department registration, the applicant will be required to take the Department examination only.

The ICC Certification may not be required when the Department registration is utilized by the Department of Public Works for City business only.

Sec. 97. Subsection 91.1704.2.1.3 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.2.1.3. Failure to Pass Examination for Registered Deputy Inspector. Every applicant who fails to pass a new or renewal examination(s) shall not be eligible for re-examination until 30 days after taking the previous examination.

Sec. 98. Subsection 91.1704.2.3 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1704.2.3. Statement of Special Inspections. The permit applicant shall submit a statement of special inspections in accordance with LAMC Subsection 91.106.3.3. The statement of special inspections shall be prepared by the registered design professional in responsible charge as a condition for permit issuance. This statement shall be in accordance with LAMC Subsection 91.1704.3.

EXCEPTION: ¶

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4. A statement of special inspections is not required for portions of structures designed and constructed in accordance with the cold-formed steel light-frame construction provisions of CBC Section ~~2206.1.22211.1.2~~ or the conventional light-frame construction provisions of LAMC Section 91.2308.

Sec. 99. Subsection 91.1704.2.4 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.2.4. Report Requirement. In addition to all the requirements of LAMC Subsection 91.1704.2.1.1, Registered Deputy Inspectors shall keep records of inspections and tests. The Registered Deputy Inspectors shall furnish inspection reports and tests to the Superintendent of Building, and to the registered design professional in responsible charge. Reports shall indicate that work inspected was or was not completed in conformance to approved construction documents. Discrepancies shall be brought to the immediate attention of the contractor for correction. If they are not corrected, the discrepancies shall be brought to the attention of the Superintendent of Building and to the registered design professional in responsible charge prior to the completion of that phase of the work. A final report documenting required special inspections and tests, and correction of any discrepancies noted in the inspections or tests, shall be submitted at a point in time agreed upon prior to the start of the work by the owner or owner's authorized agent to the Superintendent of Building.

Sec. 100. Subsection 91.1704.2.5 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.2.5. Special Inspection of Fabricated Items. Where fabrication of structural, load-bearing or lateral load resisting members or assemblies is being conducted on the premises of a fabricator's shop, deputy inspections of the fabricated items shall be performed during fabrication, when approved by the Superintendent of Building, except where the fabricator has been approved to perform work without special inspection in accordance with LAMC Subsection 1704.2.5.1.

Sec. 101. Subsection 91.1704.2.5.1 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.2.5.1. Fabricator Approval. Pursuant to LAMC Section 96.200 et seq., special inspections required by LAMC Section 91.1705 are not required where the work is done on the premises of a fabricator approved to perform such work without special inspection. Approval shall be based upon review of the fabricator's written fabrication procedures and quality control manuals that provide a basis for control of materials and work quality, with periodic auditing of fabrication and quality control practices by an approved agency or the Superintendent of Building. At completion of fabrication, the approved fabricator shall submit a certificate of compliance to the owner or owner's authorized agent for submittal to the Superintendent of Building as specified in CBC Section 1704.5 stating that the work was performed in accordance with the approved construction documents.

Sec. 102. Subsection 91.1704.6 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1704.6. Structural Observations. Where required by the provisions of LAMC Subsection 91.1704.6.1, the owner shall employ the registered design professional in responsible charge for the structural design, or another registered design professional designated by the registered design professional in responsible charge of the structural design to perform structural observations as defined in CBC Section 202. The structural observer shall visually observe representative locations of structural systems, details and load paths for general conformance to the approved construction documents.

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

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

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

Sec. 103. Subsection 91.1704.6.1 of Section 91.1704, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

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

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

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

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

Sec. 104. Subsection 91.1705.1.2 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.1.2. Certifications by Engineer or Geologist. If the grading or foundation earthwork has required continuous inspection, the responsible engineering geologist or soils engineer shall certify by signature to the Department that, to the best of the geologist's or engineer's knowledge, the field work was completed in conformity with the technical design data.

Sec. 105. Subsection 91.1705.1.3 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.1.3. Department's Responsibility. The employment of a Registered Deputy Inspector for any work does not deprive the Department of the right to make periodic or called inspections of all or portions of the work. On any work requiring continuous inspection by a Registered Deputy Inspector, the called inspections required by Section 91.108 of this Code may be delegated to the Registered Deputy Inspector by the Superintendent of Building.

Sec. 106. Subsection 91.1705.1.4 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.1.4. Structural, Termite and Fungus Damage. Every building raised from its foundation shall be inspected. If there is any superficial evidence of structural damage, termites or fungus growth, the permittee shall remove and renew the damaged or infested members before reseating the building or moving it from its existing site or into the City.

Sec. 107. Subsection 91.1705.1.5 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.1.5. Emergencies or Catastrophes. In the event of an emergency or of a major catastrophe in the City, the Department may deputize Emergency Building Inspectors for the Department. The inspectors shall receive no compensation from the

City, and they shall be appointed for the periods of time the Department deems advisable.

Sec. 108. Subsection 91.1705.1.6 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is amended, to read as follows:

91.1705.1.6. Special Activity Inspection. In addition to the construction or work inspected as described in LAMC Sections 91.108 and 91.1704 through 91.1705, there are other construction activities that are sufficiently important to the structural stability of the structure, the occupants of and the fire and life safety of the structure that inspection by a specially qualified inspector is necessary in order to ensure compliance with the Code requirements. These special activity inspections may occur during off-site fabrication or during on-site construction.

Inspections by Department Approved Special Activity Inspectors will be required in accordance with regulations promulgated by the Superintendent of Building where:

1. The structure is more than five stories or 60 feet (18,288 mm) in height.
2. The structure exceeds 50,000 square feet (4,645 m²) of ground area or 200,000 square feet (18,580 m²) of total floor area.
3. Nondestructive structural testing methods are utilized.
4. The quality identification markings of the materials used are not inspectable after installation.
5. The manner of use of materials precludes full inspection after installation.

EXCEPTION: The Department may waive continuous or periodic inspection required by this Section where minor quantities are involved and no unusual hazards exist.

In addition to the projects included in the above categories, the Superintendent of Building may require Special Activity inspections if the Superintendent of Building determines that these inspections are needed to ensure compliance with the provisions of this Code and the work involves:

6. Unique, novel or innovative construction;
7. Highly complex or intricate construction;
8. Unique, novel or innovative grading, earth support or foundation procedures; or
9. New methods of construction not yet provided for in the rules and regulations.

Special Activity inspection authority will be determined on a case-by-case basis and will require Registered Deputy Inspector registration. The Superintendent of Building shall adopt rules and regulations implementing the provisions of this Section. These regulations may establish and set the requirements for different types of Department Approved Special Activity Inspectors.

Sec. 109. Subsection 91.1705.1.7 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.1.7. Special Activity Inspection Authority.

Sec. 110. Subsection 91.1705.1.8 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.1.8. Registration. The procedures and conditions of registration as a Special Activity Inspector shall be the same as applicable to a Registered Deputy Inspector under LAMC Subsection 91.1704.2.1, except that the extent and duration of special inspection authority shall be as specified in the rules and regulations adopted by the Superintendent of Building.

Sec. 111. Subsection 91.1705.1.9 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.1.9. Duties. Except as otherwise indicated by regulations promulgated by the Superintendent of Building, the duties and responsibilities for a Special Activity Inspector shall be the same as specified for a Registered Duty Inspector under LAMC Subsection 91.1704.2.1.1.

Sec. 112. Subsection 91.1705.1.10 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.1.10. Fees. The procedures for the examination, registration and renewal of authority as a Special Activity Inspector shall be the same as specified for a Registered Deputy Inspectors under LAMC Subsection 91.1704.2.1.2.

Sec. 113. Subsection 91.1705.1.11 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.1.11. Renewal Process. LAMC Subsection 91.1704.2.1.2 applies to the application, examination and renewal process for registration as a Special Activity Inspector.

Sec. 114. Subsection 91.1705.1.12 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.1.12. Certification of Welders.

Sec. 115. Subsection 91.1705.1.13 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.1.13. The Superintendent of Building shall suspend or revoke any certificate upon evidence of failure of the person so certified to conduct welding operations in compliance with any of the conditions upon which it is based, or where quality of work or workmanship is not equivalent to that required by the Code, or for any of the reasons set forth in Article 8, Chapter IX of the Los Angeles Municipal Code. Any action shall be in

accordance with the provisions of Article 8, Chapter IX of the Los Angeles Municipal Code.

Sec. 116. Subsection 91.1705.3 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.3. Concrete Construction. Special inspections and tests of concrete construction shall be performed in accordance with this section and LAMC Table 1705.3.

EXCEPTION: Special inspections and tests shall not be required for:

1. Isolated spread concrete footings of buildings three stories or less above grade plane that are fully supported on earth or rock, where the structural design of the footing is based on a specified compressive strength, f'_c , no greater than 2,500 pounds per square inch (psi) (17.2 MPa).
2. Continuous concrete footings supporting walls of buildings three stories or less above grade plane that are fully supported on earth or rock where:
 - 2.1. The footings support walls of light-frame construction;
 - 2.2. The footings are designed in accordance with LAMC Table 1809.7; or
 - 2.3. The structural design of the footing is based on a specified compressive strength, f'_c , not more than 2,500 pounds per square inch (psi) (17.2 MPa), regardless of the compressive strength specified in the approved construction documents or used in the footing construction.
3. Nonstructural concrete slabs supported directly on the ground, including prestressed slabs on grade, where the effective prestress in the concrete is less than 150 psi (1.03 MPa).
4. Concrete foundation walls constructed in accordance with CBC Table 1807.1.6.2.
5. Concrete patios, driveways and sidewalks on grade.

Sec. 117. Subsection 91.1705.3.1.1 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.3.1.1. Structural Inspection – Concrete. During the construction of all buildings over 160 feet (48.768 m) in height with concrete special moment-resisting space frames, a structural inspector under the supervision of the engineer responsible for the structural design shall be present to inspect the materials and work quality for conformance with approved plans, specifications and change orders involved in construction of the ductile frames and shear walls. This inspection may be made by one or more structural inspectors, provided that at least one structural inspector is present during the placement of all concrete and reinforcement in the structural frame and shear walls.

The number of structural inspectors to be provided for each structure shall be determined by the engineer responsible for the structural design, provided that more than one structural inspector shall be provided where the magnitude of a structure prevents a single inspector from adequately performing the inspection.

The owner shall provide each structural inspector. Each structural inspector shall be paid by the owner directly or through the person responsible for the structural design. Each structural inspector shall be responsible to the person who prepared the structural design.

The inspection by the structural inspector or inspectors shall be in addition to inspections made by Department employees as specified in LAMC Section 91.108 and by Registered Deputy Inspectors as specified for other parts of the work in LAMC Section 91.1704.

Prior to the issuance of the Certificate of Occupancy, each structural inspector shall submit a report in writing to the engineer and the Department certifying that the portions of the structural frame inspected by the inspector were constructed in accordance with the approved plans, specifications, change orders and Division 19, Article 1, Chapter IX of the LAMC.

Sec. 118. Subsection 91.1705.3.2 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.3.2. Material Tests. In the absence of sufficient data or documentation providing evidence of conformance to quality standards for materials in Chapters 19 and 20 of ACI 318, the Superintendent of Building shall require testing of materials in accordance with the appropriate standards and criteria for the material in Chapters 19 and 20 of ACI 318. Weldability of reinforcement, except that which conforms to ASTM A706, shall be determined in accordance with the requirements of Section 26.6.4 of ACI 318.

Sec. 119. Subsection 91.1705.6 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.6. Soils. Special inspections defined per LAMC Subsections 91.7008.2 and 91.7011.3 and tests for existing site soil conditions, fill placement and load-bearing requirements shall be as required by this section and LAMC Table 1705.6. The approved geotechnical report, and the construction documents prepared by the registered design professionals shall be used to determine compliance. During fill placement, the special inspector shall determine that proper materials and procedures are used in accordance with the provisions of the approved geotechnical report, as specified in CBC Section 1803.6.

EXCEPTION: Special inspection is not required during placement of controlled fill having a total depth of 12 inches (305 mm) or less and where the fill is not used for graded slopes or for support of footings or foundations.

Sec. 120. Subsection 91.1705.6.2 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

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

1. ~~4~~. A contiguous grading area exceeding 60,000 square feet (5574 m²).
2. ~~2~~. An excavated or filled slope steeper than 2 horizontal in 1 vertical (50 percent% slope).
3. ~~3~~. An excavated slope exceeding 40 feet (12,192 mm) in height and the top of which is within 20 feet (6096 mm) of a property line coterminous with improved private property or a public way.
4. ~~4~~. Foundation excavations below a 1 horizontal in 1 vertical plane inward and down from the property line.

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

Sec. 121. Table 1705.6 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

**TABLE 1705.6
REQUIRED VERIFICATION AND INSPECTION OF SOILS**

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	–	X
2. Verify excavations are extended to proper depth and have reached proper material.	–	X
3. Perform classification and testing of compacted fill materials.	–	X
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X ^a	–
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.	–	X

a. Frequency of special inspections to be determined by the registered design professional responsible for the project.

Sec. 122. Subsection 91.1705.7 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.7. Driven Deep Foundations and Connecting Grade Beams. Special inspections and tests shall be performed during installation and testing of the driven deep foundation elements as specified by CBC Table 1705.7. The approved geotechnical report, required by CBC Section 1803.6 and the construction documents

prepared by the registered design professionals shall be used to determine compliance. Special inspections for connecting grade beams shall be in accordance with LAMC Section 91.1705.3.

Sec. 123. Subsection 91.1705.8 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.8. Cast-in-Place Deep Foundations and Connecting Grade Beams. Special inspections and tests shall be performed during installation and testing of cast-in-place deep foundation elements as specified by CBC Table 1705.8. The approved geotechnical report, required by CBC Section 1803.6 and the construction documents prepared by the registered design professionals shall be used to determine compliance. Special inspections for connecting grade beams shall be in accordance with LAMC Section 91.1705.3.

Sec. 124. Subsection 91.1705.13.1 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

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

EXCEPTIONS:

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

Sec. 125. Subsection 91.1705.13.1.1.1 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.13.1.1.1. Certification. For buildings exceeding 160 feet (48,768 mm) in height, the engineer responsible for the structural design and the general contractor responsible for the construction, or their competent authorized representatives, shall make periodic inspections of the work at the site to verify general compliance with the approved plans, specifications and change orders. The engineer and general contractor shall submit a statement in writing to the Department stating that they know from personal knowledge that the materials installed and the structural work performed is in compliance with the approved plans, specifications and change orders.

The phrase "personal knowledge" as used above in reference to the engineer and general contractor means the knowledge resulting from the general observation by the engineer and the general supervision by the contractor of the work, as required by both in the superintendence of the building's construction, and as distinguished from the continuous personal superintendence of the special inspector and/or deputy inspector who are continuously at the site during the progress of the work. The exercise of reasonable diligence to obtain the facts is required and anyone who intentionally remains unaware may be charged with knowledge. The interpretation of personal

knowledge as it applies to the special inspector and/or deputy inspector is that the inspector(s) must have actual personal knowledge that the requirements of the plans and specifications are being carried out, which is obtained by the inspector's continuous observation of the work of construction at the site in all stages of its progress.

EXCEPTION: Special inspections of structural steel in structures assigned to Seismic Design Category C that are not specifically detailed for seismic resistance, with a response modification coefficient, R, of 3 or less, excluding cantilever column systems.

Sec. 126. Subsection 91.1705.14.1 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.14.1. Structural Steel. Testing for structural steel shall be in accordance with the quality assurance requirements of AISC 341 and the additional requirements in this Section. Nondestructive testing shall be performed by an approved agency and the written report, including the test results, shall be submitted for evaluation by the Superintendent of Building. The acceptance criteria for nondestructive testing shall be as required in AWS D1.1 as specified by the registered design professional.

Base metal thicker than 1.5 inches (38 mm), where subject to through-thickness weld shrinkage strains, shall be ultrasonically tested for discontinuities behind and adjacent to those welds after joint completion. Any material discontinuities shall be accepted or rejected on the basis of ASTM A 435 or ASTM A 898 (Level 1 criteria) and criteria as established by the registered design professional(s) in responsible charge, and the construction documents.

Sec. 127. Subsection 91.1705.18.2 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.18.2. Fire-Resistant Joint Systems. Inspection of fire-resistant joint systems that are tested and listed in accordance with CBC Sections 715.3 and 715.4 shall be conducted by an approved deputy inspector in accordance with ASTM E 2393.

Sec. 128. Subsection 91.1705.19 of Section 91.1705, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1705.19. Special Inspection for Smoke Control. Smoke control systems shall be tested by a deputy inspector.

Sec. 129. Subsection 91.1706.1 of Section 91.1706, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1706.1. Conformance to Standards. The design strengths and permissible stresses of any structural material that are identified by a manufacturer's designation as to manufacture and grade by mill tests, or the strength and stress grade is otherwise confirmed to the satisfaction of the Superintendent of Building shall conform to the specifications and methods of design of accepted engineering practice or the approved rules in the absence of applicable standards.

Sec. 130. Subsection 91.1711.1 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1711.1. General.

Sec. 131. Subsection 91.1711.1.1 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1711.1.1. Purpose. The purpose of this section is to regulate materials and establish methods of safe construction where any structure or portion of the structure is wholly or partially prefabricated.

Sec. 132. Subsection 91.1711.1.2 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1711.1.2. Scope. Unless otherwise specifically stated in this section, all prefabricated construction and all materials used in the construction shall conform to all the requirements of this Code. (See LAMC Subdivision 91.104.2.6.)

Sec. 133. Subsection 91.1711.1.3 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1711.1.3. Definition.

PREFABRICATED ASSEMBLY. A structural unit, the integral parts of which have been built up or assembled prior to incorporation in the building.

Sec. 134. Subsection 91.1711.2 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

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

Sec. 135. Subsection 91.1711.3 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1711.3. Tests of Assemblies. The Superintendent of Building may require special tests to be made on assemblies to determine their durability and weather resistance.

Sec. 136. Subsection 91.1711.6 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1711.6. Certificate and Inspection.

Sec. 137. Subsection 91.1711.6.1 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1711.6.1. Materials. Materials and the assembly of materials shall be inspected to determine compliance with this Code. Every material shall be graded, marked or labeled where required elsewhere in this Code.

Sec. 138. Subsection 91.1711.6.2 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1711.6.2. Certificate. A Certificate of Approval shall be furnished with every prefabricated assembly, except where the assembly is readily accessible to inspection at the site. The Certificate of Approval shall certify that the assembly in question has been inspected and meets all the requirements of this Code. When mechanical equipment is installed so that it cannot be inspected at the site, the Certificate of Approval shall certify that the equipment complies with all applicable laws and regulations.

Sec. 139. Subsection 91.1711.6.3 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1711.6.3. Certifying Agency. To be acceptable under this Code, every Certificate of Approval shall be made by an approved testing agency.

Sec. 140. Subsection 91.1711.6.4 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1711.6.4. Field Erection. Placement of prefabricated assemblies at the building site shall be inspected by the Department to determine compliance with this Code.

Sec. 141. Subsection 91.1711.6.5 of Section 91.1711, Division 17, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1711.6.5. Continuous Inspection. If continuous inspection is required for certain materials where construction takes place on the site, it shall also be required where the same materials are used in prefabricated construction.

EXCEPTION: Continuous inspection will not be required during prefabrication if the approved testing agency certifies to the construction and furnishes evidence of compliance.

Sec. 142. Subsection 91.1801.1 of Section 91.1801, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1801.1. Scope. The provisions of this division shall apply to building and foundation systems in those areas not subject to scour or water pressure by wind and wave action. Buildings and foundations subject to those scour or water pressure loads shall be designed in accordance with Division 16, Article 1, Chapter IX of the LAMC.

Requirements governing grading and earthwork construction, including excavation and fills, are set forth in Division 70, Article 1, Chapter IX of the LAMC.

Hillside buildings (buildings constructed on slopes steeper than 1 unit vertical in 3 units horizontal [33.3%] slope) shall comply with LAMC Subsection 91.1613.9 (seismic design provisions for hillside buildings) and this division.

Sec. 143. Subsection 91.1803.5.6 of Section 91.1803, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1803.5.6. Rock Strata. Where subsurface explorations at the project site indicate variations or doubtful characteristics in the structure of the rock upon which foundations are to be constructed, a sufficient number of borings shall be made to a depth of not less than 10 feet (3048 mm) below the level of the foundations and to a depth that would allow investigation of any unsupported bedding planes or any other rock discontinuities that could influence the foundation stability to provide assurance of the soundness of the foundation bed and its load-bearing capacity.

Sec. 144. Subsection 91.1805.4.3 of Section 91.1805, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1805.4.3. Drainage Discharge. The floor base and foundation perimeter drain shall discharge by gravity or mechanical means into an approved drainage system that complies with the Plumbing Code.

Sec. 145. Subsection 91.1807.1.6 of Section 91.1807, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

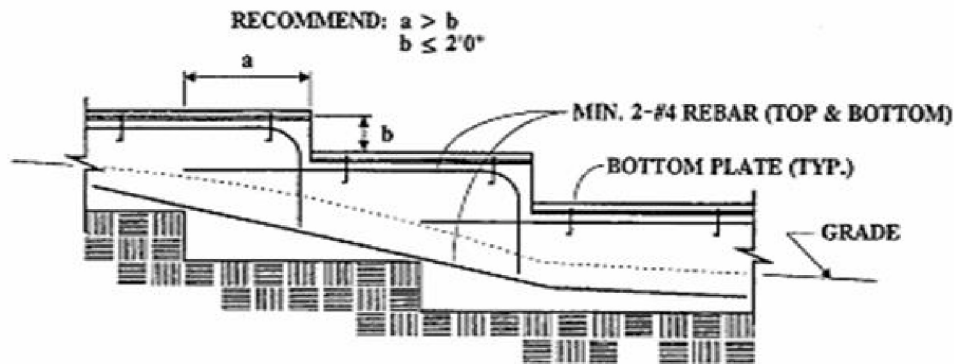
91.1807.1.6. Prescriptive Design of Concrete and Masonry Foundation Walls. Concrete and masonry foundation walls that are laterally supported at the top and bottom shall be permitted to be designed and constructed in accordance with this Section. Prescriptive design of foundation walls shall not be used for structures assigned to Seismic Design Category D, E or F.

Sec. 146. Subsection 91.1808.7.1.1 of Section 91.1808, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1808.7.1.1. Exception to CBC Section 1808.7.1. An Exception to CBC Section 1808.7.1 is an open deck or patio not covered with a roof or other overhead structure, which shall not be considered a building for the specific application of the building clearance pursuant to CBC Section 1808.7.1 and CBC Figure 1808.7.1.

Sec. 147. Subsection 91.1809.3 of Section 91.1809, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1809.3. Stepped Footing. The top surface of footings shall be level. The bottom surface of footings shall be permitted to have a slope not exceeding one 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 footing or where the surface of the ground slopes more than one unit vertical in 10 units horizontal (10-percent slope). For structures assigned to Seismic Design Category D, E or F, the stepping requirement shall also apply to the top surface of grade beams supporting walls. Footings shall be reinforced with four 1/2 inch diameter (12.7 mm) deformed reinforcing bars. Two bars shall be placed at the top and bottom of the footings as shown in LAMC Figure 1809.3.



STEPPED FOUNDATIONS

Figure 1809.3
 STEPPED FOUNDATIONS

Sec. 148. Subsection 91.1809.4 of Section 91.1809, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1809.4. Depth and Width of Footings. The minimum depth of footings below the surface of undisturbed soil, compacted fill material or CLSM shall be 12 inches (305 mm). Where applicable, the requirements of CBC Section 1809.5 shall also be satisfied. The minimum width of footings shall be 12 inches (305 mm).

Sec. 149. Subsection 91.1809.7 of Section 91.1809, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1809.7. Prescriptive Footings for Light-Frame Construction. Where a specific design is not provided, concrete or masonry-unit footings supporting walls of light-frame construction shall be permitted to be designed in accordance with LAMC Table 1809.7. Prescriptive footings in LAMC Table 1809.7 shall not exceed one story above grade plane for structures assigned to Seismic Design Category D, E or F.

Sec. 150. Subsection 91.1810.3.1.5 of Section 91.1810, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1810.3.1.5. Helical Piles. Helical piles shall be designed and manufactured in accordance with accepted engineering practice to resist all stresses induced by installation into the ground and service loads. Helical piles shall not be used for support of new structures. Helical piles may be used to underpin foundations of existing structures or retrofit or remediate deficient foundations of existing structures. Helical piles shall not be used to resist any horizontal loads. Helical piles shall be designed and manufactured in accordance with accepted engineering practice to resist all stresses induced by installation into the ground and service loads. Helical piles shall not be used for support of new structures. Helical piles may be used to underpin foundations of existing structures or retrofit or remediate deficient foundations of existing structures. Helical piles shall not be used to resist any horizontal loads.

Sec. 151. Subsection 91.1810.3.10.4 of Section 91.1810, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.1810.3.10.4. Seismic Reinforcement. For structures assigned to Seismic Design Category C, a permanent steel casing shall be provided from the top of the micropile down to the point of zero curvature. For structures assigned to Seismic Design Category D, E or F, the micropile shall be considered as an alternative system in accordance with LAMC Subsection Subdivision 91.104.2.6. The alternative system design, supporting documentation and test data shall be submitted to the Department for review and approval.

Sec. 152. Subsection 91.1810.4.8 of Section 91.1810, Division 18, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.1810.4.8. Hollow-stem Augered, Cast-in-Place Elements. An indicator pile program shall be performed to confirm the installation procedure and to determine the pile capacity by static load testing. Upon completion of the pile load testing, at least one test pile shall be entirely exhumed to examine the pile integrity. Prior to the installation of production piles, the results of the testing, and confirmation or revision to the pile capacity shall be determined. Where concrete or grout is placed by pumping through a hollow-stem auger, the auger shall be permitted to rotate in a clockwise direction during withdrawal. As the auger is withdrawn at a steady rate or in increments not to exceed 1 foot (305 mm), concreting or grouting pumping pressures shall be measured and maintained high enough at all times to offset hydrostatic and lateral earth pressures. Concrete or grout volumes shall be measured to ensure that the volume of concrete or grout placed in each element is equal to or greater than the theoretical volume of the hole created by the auger. Where the installation process of any element is interrupted or a loss of concreting or grouting pressure occurs, the element shall be redrilled to 5 feet (1524 mm) below the elevation of the tip of the auger when the installation was interrupted or concrete or grout pressure was lost and reformed. Augered cast-in-place elements shall not be installed within six diameters center to center of an element filled with concrete or grout less than 12 hours old, unless approved by the building official. If the concrete or grout level in any completed element drops due to installation of an adjacent element, the element shall be replaced.

Sec. 153. Subsection 91.1905.9 of Section 91.1905, Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

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

18.7.5.9 - At any section where the design strength, ΦP_n , of the column is less than the sum of the shears V_e computed in accordance with ACI 318 Sections 18.6.5.1 and 18.7.6.1.1 for all the beams framing into the column above the level under consideration, transverse reinforcement as specified in ACI 318 Sections 18.7.5.1 through 18.7.5.3 shall be provided. For beams framing into opposite sides of the column, the moment components may be assumed to be of opposite sign. For determination of the design strength, ΦP_n , of the column, these moments may be assumed to result from the deformation of the frame in any one principal axis.

Sec. 154. Subsection 91.1905.10 of Section 91.1905, Division 19, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

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

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

Sec. 155. Subsection 91.2301.1 of Section 91.2301, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.2301.1. Scope. The provisions of this division shall govern the materials, design, construction and quality of wood members and their fasteners.

Hillside buildings (buildings constructed upon slopes steeper than one unit vertical in three units horizontal [33.3% slope]) shall comply with LAMC Subsection 91.1613.9 (seismic design provisions for hillside buildings) and this division.

Sec. 156. Subsection 91.2304.12.2.8 of Section 91.2304, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.2304.12.2.8. Wood Used In Retaining Walls and Cribs. Wood installed in retaining or crib walls shall be preservative treated in accordance with AWPA U1 (Commodity Specifications A or F) for soil and fresh water use. Wood shall not be used in retaining walls or cribs for structures assigned to Seismic Design Category D, E or F.

Sec. 157. Subsection 91.2305.4 of Section 91.2305, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.2305.4. Quality of Nails. In Seismic Design Category D, E or F, mechanically driven nails used in wood structural panel shear walls shall meet the same dimensions as that required for hand-driven nails, including diameter, minimum length and minimum head diameter. Clipped head or box nails are not permitted in new construction. The allowable design value for clipped head nails in existing construction may be taken at no more than the nail-head-area ratio of that of the same size hand-driven nails.

Sec. 158. Subsection 91.2305.5 of Section 91.2305, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.2305.5. Hold-down Connectors. In Seismic Design Category D, E or F, hold-down connectors shall be designed to resist shear wall overturning moments using approved cyclic load values or 75 percent of the allowable seismic load values that do not consider cyclic loading of the product. Connector bolts into wood framing shall require steel plate washers on the post on the opposite side of the anchorage device. Plate size shall be a minimum of 0.229 inch by 3 inches by 3 inches (5.82 mm by 76 mm by 76 mm) in size. Hold-down connectors shall be finger tight and ½ turn just prior to covering the wall framing.

Sec. 159. Subsection 91.2306.2 of Section 91.2306, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.2306.2. Wood-Frame Diaphragms. Wood-frame diaphragms shall be designed and constructed in accordance with AWC SDPWS. Where panels are fastened to framing members with staples, requirements and limitations of AWC DPWS shall be met and the allowable shear values set forth in CBC Table 2306.2(1) or 2306.2(2) shall only be permitted for structures assigned to Seismic Design Category A, B or C.

EXCEPTION: Allowable shear values where panels are fastened to framing members with staples may be used if such values are substantiated by cyclic testing and approved by the building official.

The allowable shear values of CBC Tables 2306.2(1) and 2306.2(2) are permitted to be increased 40% for wind design.

Wood structural panel diaphragms used to resist seismic forces in structures assigned to Seismic Design Category D, E or F shall be applied directly to the framing members.

EXCEPTION: Wood structural panel diaphragm is permitted to be fastened over solid lumber planking or laminated decking, provided the panel joints and lumber planking or laminated decking joints do not coincide.

Sec. 160. Subsection 91.2306.3 of Section 91.2306, Division 23, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.2306.3. Wood-Frame Shear Walls. Wood-frame shear walls shall be designed and constructed in accordance with AWC SDPWS. For structures assigned to Seismic Design Category D, E, or F, application of Tables 4.3A and 4.3B of AWC SDPWS shall include the following:

1. Wood structural panel thickness for shear walls shall not be less than 3/8 inch (9.525 mm) thick, and studs shall not be spaced at more than 16 inches (406.4 mm) on center.
2. The maximum nominal unit shear capacities for three-ply plywood resisting seismic forces in structures assigned to Seismic Design Category D, E or F is 400 pounds per linear foot (plf) (181.43 kg per meter).
3. Where shear design values using allowable stress design (ASD) exceed 350 plf or load and resistance factor design (LRFD) exceed 500 plf, all framing members receiving edge nailing from abutting panels shall not be less than a single 3 inch (76.19 mm) nominal member, or two 2 inch (50.8 mm) nominal members fastened together in accordance with CBC Section 2306.1 to transfer the design shear value between framing members. Wood structural panel joint and sill plate nailing shall be staggered at all panel edges. See Sections 4.3.6.1 and 4.3.6.4.3 of AWC SDPWS for sill plate size and anchorage requirements.
4. Nails shall be placed not less than 1/2 inch (12.7 mm) in from the panel edges and not less than 3/8 inch (9.525 mm) from the edge of the connecting members for shear greater than 350 plf using ASD or 500 plf using LRFD. Nails shall be

placed not less than 3/8 inch (9.525 mm) from panel edges and not less than 1/4 inch (6.35 mm) from the edge of the connecting members for shears of 350 plf or less using ASD or 500 plf or less using LRFD.

5. Table 4.3B of AWC SDPWS application is not allowed for structures assigned to Seismic design category D, E or F.

For structures assigned to Seismic Design Category D, Application of Table 4.3C of AWC SDPWS shall not be used below the top level in a multi-level building for structures.

Where panels are fastened to framing members with staples, requirements and limitations of AWC SDPWS shall be met and the allowable shear values set forth in CBC Tables 2306.3(1), 2306.3(2) or 2306.3(3) shall only be permitted for structures assigned to Seismic Design Category A, B or C.

EXCEPTION: Where panels are fastened to framing members with staples, allowable shear values may be used if such values are substantiated by cyclic testing and approved by the Superintendent of Building.

The allowable shear values in CBC Tables 2306.3(1) and 2306.3(2) are permitted to be increased 40% for wind design. Panels complying with ANSI/APA PRP-210 shall be permitted to use design values for Plywood Siding in the AWC SDPWS.

Sec. 161. Subsection 91.2503.1 of Section 91.2503, Division 25, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.2503.1. Inspection. Lath and gypsum board shall be inspected in accordance with LAMC Subsection 91.108.5.

Sec. 162. Subsection 91.2702.2.11.1 of Section 91.2702, Division 27, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

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

Sec. 163. Subsection 91.2702.2.16.1 of Section 91.2702, Division 27, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.2702.2.16.1. Fuel Supply. An on-premises fuel supply, sufficient for not less than 6-hour full-load operation of the emergency and standby power source(s), shall be provided. This fuel supply shall not be less than 8-hour when the load also includes fire pump(s).

Sec. 164. Subsection 91.2702.2.19.1 of Section 91.2702, Division 27, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.2702.2.19.1. Fuel Supply. An on-premises fuel supply, sufficient for not less than 6-hour full-load operation of the emergency and standby power source(s), shall be

provided. This fuel supply shall not be less than 8-hour when the load also includes fire pump(s).

Sec. 165. Subsection 91.3001.1 of Section 91.3001, Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3001.1. Scope. This division governs the design, construction, installation, alteration and repair of elevators and conveying systems and their components. All elevators shall comply with the additional requirements of the Elevator Code. Whenever a conflict exists between this Division and the Elevator Code, the more restrictive of the two codes shall apply.

Sec. 166. Table 91.3001.3 following Subsection 91.3001.1 of Section 91.3001, Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

TABLE 91.3001.3

TYPE	STANDARD
Automotive lifts	ALI ALCTV
Belt manlifts (including any other belt lift designed for persons)	ASME A90.1
Conveyors and related equipment	ASME B20.1
Elevators, escalators, dumbwaiters, moving walks, material lifts	ASME A17.1 / CSA B44
Industrial scissor lifts	ANSI MH29.1
Platform lifts, stairway chairlifts, wheelchair lifts	ASME A18.1

Sec. 167. Subsection 91.3002.8 of Section 91.3002, Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3002.8. Glass in Elevator Enclosures. Glass in elevator enclosures shall comply with CBC Section 2409.2 and the Elevator Code.

Sec. 168. Subsection 91.3007.1 of Section 91.3007, Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3007.1. General. Where required by CBC Section 403.6.1, every floor of the building shall be served by fire service access elevators complying with CBC Sections 3007.1 through 3007.9 with the modifications set forth in this Code. Except as modified in this section, fire service access elevators shall be installed in accordance with this division and the Elevator Code.

Sec. 169. Subsection 91.3008.1.1 of Section 91.3008, Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3008.1.1. Occupant evacuation elevators. Occupant evacuation elevators shall comply with the California Code of Regulations, Title 8, Division 1, Chapter 4, Subchapter 6, Elevator Safety Orders.

Sec. 170. Subsection 91.3008.8.1 of Section 91.3008, Division 30, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3008.8.1. Determination of standby power load. Standby power loads shall be based on the determination of the number of occupant evacuation elevators in CBC Section 3008.1.

Sec. 171. Subsection 91.3106.1 of Section 91.3106, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3106.1. General. Marquees shall comply with this section and other applicable sections of this Code. The plans and specifications and the type, design, arrangement and location of every marquee shall be approved by the Board of Cultural Affairs Commissioners of the City of Los Angeles and the Board of Public Works of the City of Los Angeles prior to the issuance of a building permit.

Sec. 172. Subsection 91.3108.1 of Section 91.3108, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3108.1. General. Towers shall be designed and constructed in accordance with the provisions of TIA-222. For structural design purposes, telecommunication towers shall be considered to be a "Class III Structure" subject to an Importance Factor of 1.50, as set forth in Table 2-3, Importance Factors, of TIA-222. Towers shall be designed for seismic loads; exceptions related to seismic design listed in Section 2.7.3 of TIA-222 shall not apply. In Section 2.6.6.2 of TIA 222, the horizontal extent of Topographic Category 2, escarpments, shall be 16 times the height of the escarpment.

EXCEPTION: Single free-standing poles used to support antennas not greater than 75 feet (22.86 m), measured from the top of the pole to grade, shall not be required to be noncombustible.

Sec. 173. Subsection 91.3109.3 of Section 91.3109, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3109.3. Public Swimming Pools. Public swimming pools shall be completely enclosed by a fence or screen enclosure at least five feet (1524 mm) in height. Openings in the fence or screen enclosure shall not permit the passage of a four-inch-diameter (102 mm) sphere. The fence or screen enclosure shall be equipped with self-closing and self-latching gates.

Sec. 174. Subsection 91.3109.4 of Section 91.3109, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety, to read as follows:

91.3109.4. Residential Swimming Pools. Residential swimming pools shall be completely enclosed. The fence, barrier, or ~~a~~ screen enclosure for residential swimming pools on a lot with one to three dwelling units shall comply with LAMC Subsection 91.3109.4.1 and CBC Sections 3109.1 through 3109.2

Sec. 175. Subsection 91.3109.4.1 of Section 91.3109, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3109.4.1. Barrier Height and Clearances. For residential swimming pools, the top of the barrier shall be at least 60 inches (1524 mm) above grade measured on the side of the barrier that faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches (50.8 mm) measured on the side of the barrier that faces away from the swimming pool. Where the top of the pool structure is above grade, the barrier is permitted to be mounted on top of the pool structure, provided the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches (101.6 mm), or at grade level.

Sec. 176. Subsection 91.3109.4.1.1 of Section 91.3109, Division 31, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.3109.4.1.1. Access doors or gates shall comply with the requirements of CBC Sections 3109.14 through 3109.2 and shall be equipped to accommodate a locking device.

Release mechanisms shall be in accordance with CBC Section 1010.2.

Sec. 177. Subsection 91.3201.1 of Section 91.3201, Division 32, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3201.1. Scope. The provisions of this division shall govern the encroachment of structures into the public right-of-way.

No portion of any projection from any building over any roadway shall be lower than an elevation of 14 feet (4267.2 mm) above the roadway surface.

Sec. 178. Subsection 91.3201.3 of Section 91.3201, Division 32, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3201.3. Other Laws. The provisions of this division shall not be construed to permit the violation of other laws or ordinances regulating the use and occupancy of public property.

Projections into the public right-of-way shall require the approval of the Department of Public Works.

Sec. 179. Subsection 91.3202.3.1 of Section 91.3202, Division 32, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3202.3.1. Awnings, Canopies, Marquees and Signs. Awnings, canopies, marquees and signs shall be constructed so as to support applicable loads as specified in Division 16, Article 1, Chapter IX of the LAMC. Awnings, canopies, marquees and signs with less than 15 feet (4572 mm) clearance above the sidewalk shall not extend into or occupy more than 2/3 the width of the sidewalk measured from the building. Stanchions or columns that support awnings, canopies, marquees and signs shall be located not less than 2 feet (609.6 mm) in from the curb line.

Prior to issuance of a building permit, plans and specifications and the type, design, arrangement and location of every marquee shall be approved by the City's Board of Cultural Affairs Commissioners and Board of Public Works.

Sec. 180. Subsection 91.3304.1.4 of Section 91.3304, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3304.1.4. Fill Supporting Foundations. Fill to be used to support the foundations of any building or structure shall comply with CBC Section 1804.6 and Division 70, Article 1, Chapter IX of the LAMC. Special inspections of compacted fill shall be in accordance with CBC Section 1705.6.

Sec. 181. Subsection 91.3305.1 of Section 91.3305, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3305.1. Toilet Facilities Required. No person shall commence or proceed with the erection, construction, alteration, repair, raising, adding to, removal or demolition of any building or structure unless adequate, suitable, sanitary toilet facilities under the control of that person are provided for the use of any person employed or working upon the building or structure. The toilet facilities shall be located upon or within a reasonable distance of the lot, premises, or site upon which the work is being done. In no case shall the line of travel to any toilet facility exceed 500 feet (152.4 m).

Sec. 182. Subsection 91.3305.2 of Section 91.3305, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3305.2. Toilet Standards. Every toilet shall be of the water-flush type and connected to a public sewer or a private sewage disposal system built in accordance with the provisions of the Plumbing Code. All toilet structures shall be completely enclosed on four sides and the top, and the door shall be self-closing; the toilet floor shall be smooth, and screened ventilation shall be provided for the toilet compartment. Where workers are employed during the night hours, the toilet building shall be provided with artificial light. In lieu of flush water closets, approved chemical toilets, which meet the requirements of Chapter III of the Los Angeles Municipal Code, may be provided.

Sec. 183. Subsection 91.3306.1 of Section 91.3306, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3306.1. Protection Required. Pedestrians shall be protected during construction, remodeling and demolition activities as required by Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code and CBC Table 3306.1. Signs shall be provided to direct pedestrian traffic.

Nothing contained in this section shall be construed to grant permission to use, construct or place a canopy over any street or public place without first obtaining the necessary permits from the Department of Public Works.

Sec. 184. Subsection 91.3307.1 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3307.1. Protection Required. Adjoining public and private property shall be protected from damage during construction, remodeling and demolition work. Protection must be provided for footings, foundations, party walls, chimneys, skylights and roofs.

Provisions shall be made to control water runoff and erosion during construction or demolition activities.

For excavations, adjacent property shall be protected as set forth in Section 832 of the Civil Code of California.

Prior to the issuance of any permit, which authorizes an excavation where the excavation is to be of a greater depth than are the walls or foundation of any adjoining building or structure and located closer to the property line than the depth of the excavation, the owner of the site shall provide the Department of Building and Safety with evidence that the adjacent property owner or owners have been given a 30-day written notice of the intent to excavate. This notice shall state the depth to which the excavation is intended to be made and when the excavation will commence. This notice shall be by certified mail, return receipt requested.

Sec. 185. Subsection 91.3307.2 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3307.2. Underpinning.

Sec. 186. Subsection 91.3307.2.1 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3307.2.1. General. In constructing underpinning, all portions of the structure shall be supported so that no structural material is stressed beyond the yield point.

Sec. 187. Subsection 91.3307.2.2 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3307.2.2. Closure. All spaces between the existing footing and the underpinning shall be packed full of mortar conforming to the provisions of CBC Section 2103 and having no slump when tested by the method specified in ASTM C 143.

Sec. 188. Subsection 91.3307.3 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3307.3. Temporary Excavations and Shoring.

Sec. 189. Subsection 91.3307.3.1 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3307.3.1. General. Excavations shall not remove the lateral support from a public way, from an adjacent property or from an existing structure. For the purpose of this section, the lateral support shall be considered to have been removed when any of the following conditions exist:

1. The excavation exposes any adverse geological formations, which would affect the lateral support of a public way, an adjacent property or an adjacent structure.
2. The excavation extends below a plane extending downward at an angle of 45 degrees from the edge of the public way or an adjacent property.

EXCEPTION: Normal footing excavations not exceeding two feet in depth will not be construed as removing lateral support.

3. The excavation extends below a plane extending downward at an angle of 45 degrees from the bottom of a footing of an existing structure.

Sec. 190. Subsection 91.3307.3.2 of Section 91.3307, Division 33, Article 1, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.3307.3.2. Removal of Lateral Support. Approval of the Department of Public Works shall be obtained prior to the issuance of a permit for any excavation that would remove the lateral support from a public way.

The slopes of excavations adjacent to an existing structure, an adjacent property or public way may exceed one horizontal to one vertical where either:

1. A soil report recommending that the slope may be in excess of one to one has been approved by the Department and the Department of Public Works when the excavation is adjacent to a public way.

When justified by the soils engineer, the Department may approve the use of the proposed building and/or shoring to support an adjacent structure on an adjoining property in lieu of underpinning, provided:

- (i) Evidence is submitted that the adjoining property owner has been notified in advance of the proposed excavation in compliance with Section 832 of the Civil Code of California.
 - (ii) The owner of the site records a sworn affidavit with the Office of the County Recorder, which will inform future owners of the site that the lateral support of a portion of the building footings on the adjoining property is provided by the subterranean walls of the building on the site.
2. Underpinning is designed to support adjacent structures, temporary shoring is designed to support the excavation, and plans are approved and permits are issued by the Department.

Temporary shoring shall be designed for an earth pressure recommended by a soils engineer and approved by the Department, equivalent to that exerted by a fluid weighing not less than 24 pounds (11 kg) per cubic foot plus all surcharge loads.

Soils bearing values shall be those specified in Division 18, Article 1, Chapter IX of the LAMC or those recommended by a soils engineer and approved by the Department.

The design of the required temporary shoring and necessary underpinning shall include a sequence of construction and installation.

Allowable stresses used in the design of temporary shoring may be increased 33-1/3% for structural and reinforcing steel and 25% for wood. No increase will be permitted for concrete. Other values shall be those prescribed by this Code.

Sec. 191. Division 61 (SPECIAL HAZARD AREAS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 192. Division 62 (SIGNS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 193. Division 63 (ADDITIONAL PROVISIONS FOR SPECIFIC USES), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 194. Division 67 (SECURITY PROVISIONS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 195. Division 70 (GRADING, EXCAVATIONS AND FILLS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 196. Division 71 (METHANE SEEPAGE REGULATIONS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 197. Division 72 (FIRE DISTRICT REGULATIONS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 198. The title and table of contents of Division 72, Article 1, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

DIVISION 72 FIRE DISTRICT REGULATIONS

Section

91.7200 Purpose.

91.7201 General.

91.7202 Additions to Buildings.

91.7203 General Requirements.

91.7204 Special Requirements for Fire District Number 1.

91.7205 Provisional Structures.¶¶

~~91.7207 Special Requirements for the Very High Fire Hazard Severity Zone.~~

91.7208 Prohibited Vehicles.

Sec. 199. Subsection 91.7201.2 of Section 91.7201, Division 72, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

¶¶

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

Sec. 200. Subsection 91.7201.4 of Section 91.7201, Division 72, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

¶¶

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

Sec. 201. Section 91.7207, Division 72, Article 1, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

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~~**SEC. 91.7207. SPECIAL REQUIREMENTS FOR THE VERY HIGH FIRE HAZARD SEVERITY ZONE.**~~¶

~~¶~~

~~**91.7207.1. Unenclosed Under-floor Areas.** Residential buildings shall have all under floor areas completely enclosed to the ground with construction as required for exterior walls.~~¶

~~¶~~

~~**EXCEPTIONS:**~~¶

~~¶~~

- ~~1. Complete enclosure shall not be required where the underside of all exposed floors and all exposed structural columns, beams and supporting walls are protected as required for exterior one-hour fire-resistive construction.~~¶

~~¶~~

- ~~2. The area under cantilevered balconies and unroofed walking decks need not be considered as under floor area, provided exposed utilities, pipes or other mechanical devices are not located in the area.~~¶

~~¶~~

~~**91.7207.2. Utilities.** All utilities, pipes, furnaces, water heaters or other mechanical devices located in an exposed under-floor area of a residential building shall be enclosed with material as required for one-hour fire-resistive construction. Adequate covered access openings for servicing such utilities shall be provided as required by appropriate codes.~~¶

~~¶~~

~~**91.7207.3. Attic Openings.** All exterior attic openings shall be protected with a maximum 1/4-inch noncombustible and corrosion-resistant screen.~~¶

~~¶~~

~~**91.7207.4. Roofing.** All buildings shall have a fire retardant roofing assembly complying with the requirements of Class A roof covering as defined in CBC Section 1505. Wood shakes and shingle are not permitted in the VHFHSZ.~~

Sec. 202. Division 81 (EXISTING BUILDINGS AND STRUCTURES – GENERAL REQUIREMENTS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 203. Division 82 (CHANGE OF OCCUPANCY, USE AND RATING CLASSIFICATION), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 204. Division 83 (RELOCATION PERMIT), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 205. Division 85 (ALTERNATIVE BUILDING STANDARDS FOR JOINT LIVING AND WORK QUARTERS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 206. Division 86 (SPECIAL PROVISIONS FOR EXISTING BUILDINGS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 207. Division 88 (EARTHQUAKE HAZARD REDUCTION IN EXISTING BUILDINGS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 208. Division 89 (ABATEMENT OF BUILDINGS, STRUCTURES, PREMISES AND PORTIONS THEREOF WHICH CONSTITUTE A NUISANCE OR ARE HAZARDOUS, OR SUBSTANDARD), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 209. Division 90 (NUISANCE ABATEMENT AND DISCONTINUANCE OF LAND USE AND DISCRETIONARY ZONING APPROVALS; RELOCATION ASSISTANCE; ENFORCEMENT), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 210. Division 91 (EARTHQUAKE HAZARD REDUCTION IN EXISTING TILT-UP CONCRETE WALL BUILDINGS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 211. Subsection 91.9108.3 of Section 91.9108, Division 91, Article 1, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

91.9108.3. Development of Anchor Loads into the Diaphragm. Development of anchor loads into roof and floor diaphragms shall comply with CBC Section 1616.3~~3~~ and Section 12.11 of ASCE 7.

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

In wood diaphragms, anchorage shall not be accomplished by use of toe nails or nails subject to withdrawal, nor shall wood ledgers, top plates or framing be used in cross-grain bending or cross-grain tension. The continuous ties required by CBC Section 1616.3~~3~~ and Section 12.11 of ASCE 7 shall be in addition to the diaphragm sheathing.

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

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

return wall or by a column integral with the return wall, an independent secondary column, is required to support the roof or floor members whenever rocking or shear capacity of the return wall is governing.

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

Sec. 212. Division 92 (VOLUNTARY – EARTHQUAKE HAZARD REDUCTION IN EXISTING WOOD FRAME RESIDENTIAL BUILDINGS WITH WEAK CRIPPLE WALLS AND UNBOLTED SILL PLATES), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 213. Division 93 (MANDATORY EARTHQUAKE HAZARD REDUCTION IN EXISTING WOOD-FRAME BUILDINGS WITH SOFT, WEAK OR OPEN-FRONT WALLS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 214. Division 94 (VOLUNTARY – EARTHQUAKE HAZARD REDUCTION IN EXISTING HILLSIDE BUILDINGS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 215. Division 95 (MANDATORY EARTHQUAKE HAZARD REDUCTION IN EXISTING NON-DUCTILE CONCRETE BUILDINGS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 216. Division 96 (VOLUNTARY – EARTHQUAKE HAZARD REDUCTION IN EXISTING REINFORCED CONCRETE AND REINFORCED MASONRY WALL BUILDINGS WITH FLEXIBLE DIAPHRAGMS), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 217. Division 97 (EXISTING BUILDINGS ENERGY AND WATER EFFICIENCY PROGRAM), Article 1, Chapter IX of the Los Angeles Municipal Code shall remain unchanged except as amended herein.

Sec. 218. Subsection 91.2.101.2 of Section 91.2.101 of Division 1, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

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

Exception: Detached one- and two-family dwellings and townhouses not more than three stories above grade plane in height with a separate means of egress, and their accessory structures not more than three stories above grade plane in height, shall comply with this code or the California Residential Code.

Sec. 219. Subsection 91.2.1103.2 of Section 91.2.1103 of Division 11, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

91.2.1103.2. Lateral force-resisting system. Where the addition is structurally independent of the existing structure, existing lateral load-carrying structural elements shall be permitted to remain unaltered. Where the addition is not structurally independent of the existing structure, the lateral force-resisting system of the existing structure and its addition acting together as a single structure shall comply with Section 1609 of the California Building Code and with Section 304.3.1 of this code.

EXCEPTIONS:

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

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

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

When calculating demand-capacity ratios for wind, the date of original construction shall be permitted to be taken as the date of completion of a prior addition, alteration or repair in compliance with Section 1609 of the California Building Code or the code wind forces in effect at the time. When calculating demand-capacity ratios for earthquake, the date of original construction shall be permitted to be taken as the date of completion of a prior addition, alteration or repair in compliance with CEBC Section 304.3.1 or the full seismic forces in effect at the time.

Sec. 220. Section 91.2.1300, Division 13, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 91.2.1300. BASIC PROVISIONS.

Chapter 13 of the CEBC is ~~not hereby adopted by reference.~~

Sec. 221. The title and table of contents of Division 14, Article 1.2, Chapter IX of the Los Angeles Municipal Code are amended to read as follows:

**DIVISION 14
RELOCATED OR MOVED BUILDINGS**

Section
91.2.1400 Basic Provisions.
91.2.1401 General.

Sec. 222. Section 91.2.1400, Division 14, Article 1.2, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

SEC. 91.2.1400. BASIC PROVISIONS.

Chapter 14 of the CEBC is hereby adopted by reference except **as amended herein.** ~~CEBC Section 1401.2 is not adopted and in lieu, LAMC Subsection 91.2.1401.2 is added.~~

Sec. 223. Subsection 91.2.1401.2 of Section 91.2.1400, Division 14, Article 1.2, Chapter IX of the Los Angeles Municipal Code is deleted in its entirety.

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~~**91.2.1401.2. Conformance.** Structures moved into or within the City shall comply with the provisions of Division 83, Article 1, Chapter IX of the LAMC.~~

Sec. 224. A new Section 91.2.1401 is added to Division 14, Article 1.2 Chapter IX of the Los Angeles Municipal Code to read as follows:

SEC. 91.2.1401. GENERAL.

Section 1401 of the CEBC is hereby adopted by reference except as amended herein.

Sec. 225. A new Subsection 91.2.1401.2 of Section 91.2.1401 is added to Division 14, Article 1.2, Chapter IX of the Los Angeles Municipal Code to read as follows:

91.2.1401.2. Conformance. The building shall be safe for human occupancy as determined by the California Fire Code. Any repair, alteration or change of occupancy undertaken within the moved structure shall comply with the requirements of this code applicable to the work being performed. Any field-fabricated elements shall comply with the requirements of the California Building Code or the California Residential Code, as applicable. [HCD 1 & HCD 2] After July 1, 1978, local ordinances or regulations for relocated or moved apartment houses and dwellings shall permit the retention of existing materials and methods of construction, provided the apartment house or dwelling complies with the building standards for foundations applicable to new construction and does not become or continue to be a substandard building. For additional information, see Health and Safety Code Section 17958.9.

Structures moved into or within the City shall comply with the provisions of Division 83, Article 1, Chapter IX of the LAMC.

Sec. 226. Section 91.5.100, Division 1, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety to read as follows:

SEC. 91.5.100. BASIC PROVISIONS.

The Los Angeles Residential Code adopts by reference portions of the California Residential Code (CRC). Chapter 1 of the CRC is not adopted and in lieu thereof Division 1, Article 1, Chapter IX of the Los Angeles Municipal Code is hereby adopted by reference with the following amendments. Appendix ~~BJAS~~ of the CRC is not adopted.

Sec. 227. Subsection 91.5.101.1 of Section 91.5.101, Division 1, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.5.101.1. Title. Article 1.5, Chapter IX of the LAMC shall be known as the Los Angeles Residential Code or LARC, a portion of the Los Angeles Municipal Code (LAMC), and wherever the word Code is used in this article, it shall mean the Los Angeles Residential Code.

Sec. 228. Subsection 91.5.301.1.3 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.5.301.1.3. Engineered Design. Where a building of otherwise conventional construction contains structural elements exceeding the limits of CRC Section R301 or otherwise not conforming to this Code, these elements shall be designed in accordance with accepted engineering practice. The extent of such design need only demonstrate compliance of nonconventional elements with other applicable provisions and shall be compatible with the performance of the conventional framed system. Engineered design in accordance with the Los Angeles Building Code is permitted for all buildings and structures, and parts thereof, included in the scope of this Code.

Buildings with masonry or concrete walls or of light frame construction exceeding two stories shall have an engineered design in accordance with the Los Angeles Building Code.

Sec. 229. Subsection 91.5.301.1.3.2 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.5.301.1.3.2. Woodframe Structures. The Building Official shall require construction documents to be approved and stamped by a California licensed architect or engineer for all dwellings of wood frame construction more than two stories in height with basement located in Seismic Design Category A, B, or C. Notwithstanding other provisions of law, the law establishing these provisions is found in Business and Professions Code Sections 5537 and 6737.1.

The Building Official shall require construction documents to be approved and stamped by a California licensed architect or engineer for all dwellings of woodframe construction more than one story in height located in Seismic Design Category D₀, D₁, D₂, or E.

Sec. 230. Subsection 91.5.301.2.2.11 of Section 91.5.300, Division 3, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.5.301.2.2.11. Anchorage of Mechanical, Electrical, or Plumbing Components and Equipment. Mechanical, electrical, or plumbing components and equipment shall be anchored to the structure. Anchorage of the components and equipment shall be designed to resist loads in accordance with the International Building Code and ASCE 7, except where the component is positively attached to the structure and flexible connections are provided between the component and associated ductwork, piping, and conduit.

Sec. 231. Subsection 91.5.309.2 of Section 91.5.300, Division 4, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended, to read as follows:

91.5.309.2. One and Two-family Dwelling Automatic Fire Sprinkler Systems. Every newly constructed one or two-family dwelling must include an automatic residential fire sprinkler system. Where alterations are made to an existing one or two-family dwelling, and the aggregate value of the alterations within a one-year period equals or exceeds 50% of the replacement cost of the existing building, an automatic residential fire sprinkler system must be installed in the entire one or two-family dwelling.

An automatic residential fire sprinkler system is not required in an Accessory Dwelling Unit, provided that all of the following are met:

1. The unit meets the definition of an Accessory Dwelling Unit as defined in the Government Code Section ~~6631365852-2~~.
2. The existing primary residence does not have automatic fire sprinklers.
3. The detached accessory dwelling unit does not exceed 1,200 square feet in size.
4. The unit is on the same lot as the primary residence.

Sec. 232. Subsection 91.5.403.1.2 of Section 91.5.400, Division 4, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.5.403.1.2. Continuous Footing in Seismic Design Categories D₀, D₁, D₂. Exterior walls of buildings located in Seismic Design Categories D₀, D₁, and D₂ shall be supported by continuous solid or fully grouted masonry or concrete footings. All required

interior braced wall panels in buildings located in Seismic Design Categories D₀, D₁, and D₂ shall be supported on foundations.

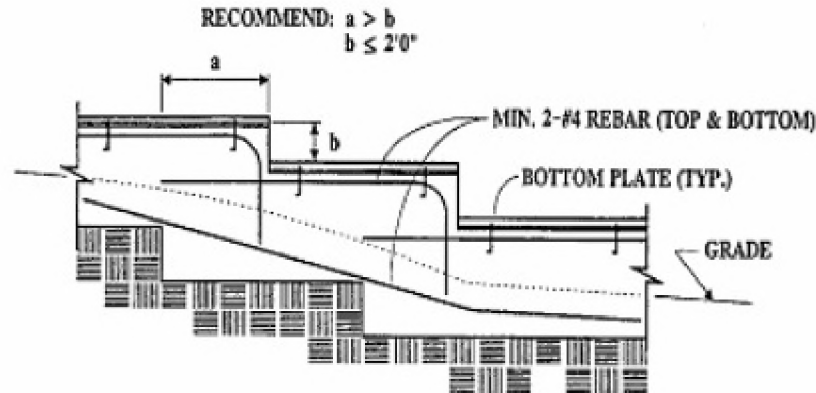
Sec. 233. Subsection 91.5.403.1.3.6 of Section 91.5.400, Division 4, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.5.403.1.3.6. Isolated Concrete Footings. In detached one- and two-family dwellings located in Seismic Design Category A, B or C that are three stories or less in height and constructed with stud bearing walls, isolated plain concrete footings supporting columns or pedestals are permitted in accordance with CRC Section R403.1.3.4.

Sec. 234. Subsection 91.5.403.1.5 of Section 91.5.400, Division 4, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, 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 one 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 one unit vertical in ten units horizontal (10-percent slope).

For structures located in Seismic Design Categories D₀, D₁, and D₂, or E, stepped footings shall be reinforced with four 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.



STEPPED FOUNDATIONS

Figure 91.5.403.1.5
Stepped Footing

Sec. 235. Subsection 91.5.404.2 of Section 91.5.400, Division 4, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.5.404.2. Wood Foundation Walls. 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). Wood foundation walls shall not be used for structures located in Seismic Design Category D₀, D₁, or D₂.

Sec. 236. Subsection 91.5.602.3.2 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.5.602.3.2. 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.

EXCEPTION: In other than Seismic Design Category D₀, D₁, or D₂, a single top plate used as an alternative to a double top plate shall comply with the following:

1. The single top plate shall be tied at the corners, intersecting walls, and at in-line splices in straight wall lines in accordance with LAMC Table 91.5.602.3.2.
2. The rafters or joists are centered over the studs with a tolerance of no more than 1 inch (25 mm).
3. Omission of the top plate is permitted over headers where the headers are adequately tied to adjacent wall sections in accordance with LAMC Table 91.5.602.3.2.

Sec. 237. Table 91.5.602.3.2 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

Table 91.5.602.3.2
Single Top-Plate Splice Connection Details

CONDITION	TOP-PLATE SPLICE LOCATION			
	Corners and intersecting walls		Butt joints in straight walls	
	Splice plate size	Minimum nails each side of joint	Splice plate size	Minimum nails each side of joint
Structures in SDC A-C	3" x 6" x 0.036" galvanized steel plate or equivalent	(6) 8d box (2 1/2" x 0.113") nails	3' x 12" x 0.036" galvanized steel plate or equivalent	(12) 8d box (2 1/2" x 0.113") nails

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

Sec. 238. Figure 91.5.602.10.6.1 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety as follows:

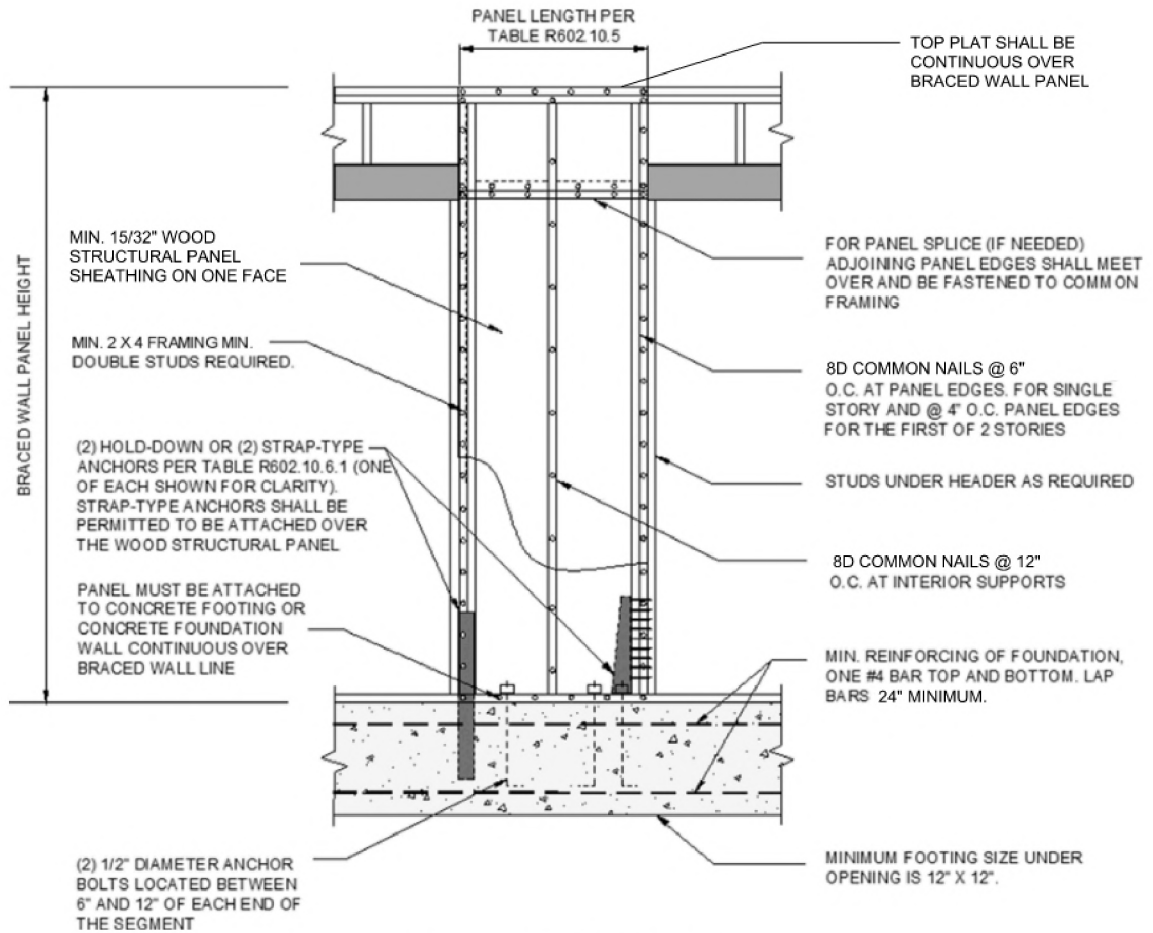


Figure 91.5.602.10.6.1
Method ABW – Alternate Braced Wall Panel

Sec. 239. Figure 91.5.602.10.6.2 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety as follows:

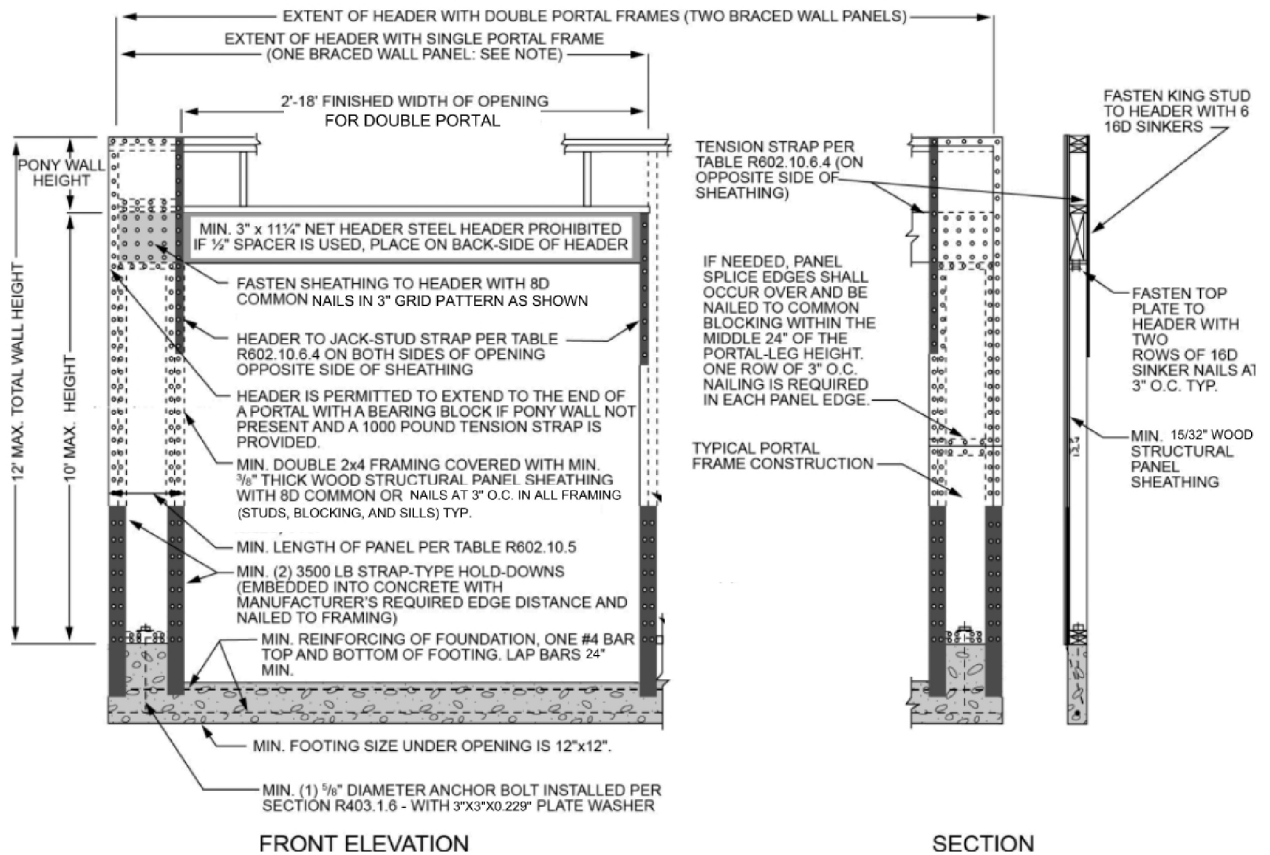
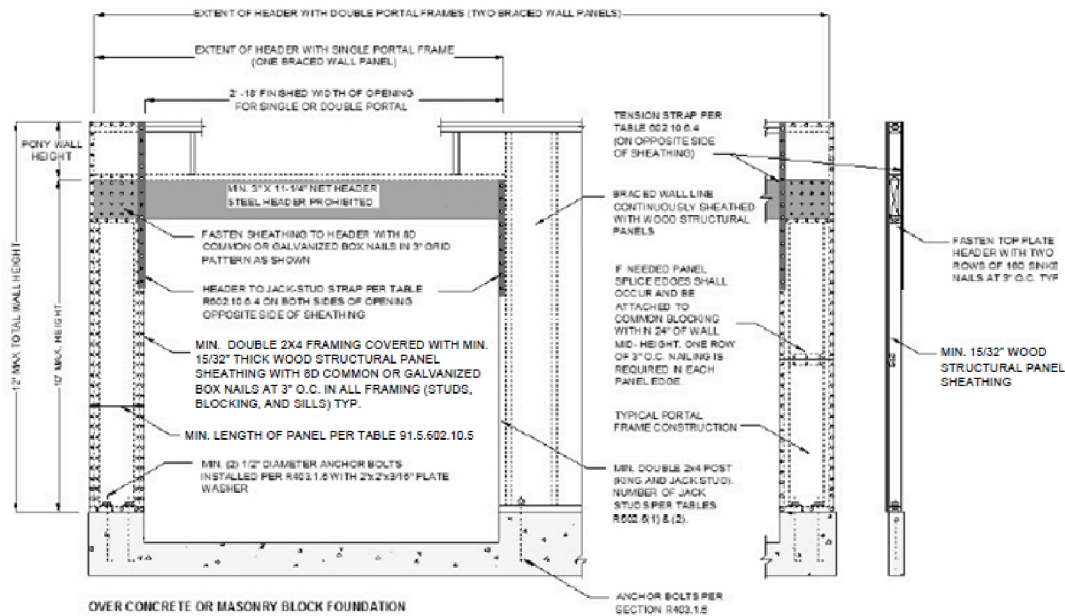


Figure 91.5.602.10.6.2
Method PFH – Portal Frame with Hold-downs at Garage Door Openings

Sec. 240. Figure 91.5.602.10.6.4 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is amended in its entirety as follows:



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

Figure 91.5.602.10.6.4
Method CS-PF – Continuously Sheathed Portal Frame Construction

Sec. 241. Subsection 91.5.606.12.2.2.3 of Section 91.5.600, Division 6, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.5.606.12.2.2.3. Reinforcement of Requirements for Masonry Elements. Masonry elements listed in CRC Section R606.12.2.2.2 shall be reinforced in either the horizontal or vertical direction as shown in CRC Figure R606.11(2) 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 mm). Horizontal reinforcement shall be provided within 16 inches (406 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 mm). Vertical reinforcement shall be within 16 inches (406 mm) of the ends of masonry walls.

Sec. 242. Subsection 91.5.802.8 of Section 91.5.800, Division 8, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

91.5.802.8. Lateral Support. Roof framing members and ceiling joists having a depth-to-thickness ratio exceeding 2 to 1 based on nominal dimensions shall be provided with lateral support at points of bearing to prevent rotation. 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. 243. Subsection 91.5.803.2.4 of Section 91.5.800, Division 8, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, to read as follows:

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

Sec. 244. Subsection 91.5.1001.3.1 of Section 91.5.1000, Division 10, Article 1.5, Chapter IX of the Los Angeles Municipal Code is readopted, 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 R606. 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. 245. Section 92.0302 of Division 3, Article 2, Chapter IX of the Los Angeles Municipal Code is amended, with no other changes to existing subsections therein, to read as follows:

SEC. 92.0302. PRIVATE RESIDENCE INCLINED ELEVATORS.

All inclined elevators in private residences shall comply with the provisions of ASME A 17.1-2004, A17.1-2004 Sections 5.3.1.7.2 and this article. Part 5, Section 5.4 of ASME A 17.1-2004 is adopted by reference, with the following exceptions and modifications: ASME Sections 5.3.1.7.2, 5.3.1.7.7, 5.3.1.18.4, 5.3.1.18.5 and 5.4.8 are not adopted.

(a) **Suspension Means.** Suspension means shall comply with Part 5, Section 5.3.1.12 of ASME A 17.1-2004.

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

1. Machines, controls and disconcerting means shall not be mounted on cars, and shall be located outside of the hoistway in spaces dedicated to the elevator equipment.
2. The machine room shall have a head clearance of at least seven feet, and shall be provided with permanent electric lighting and a duplex receptacle rated at not less than 15A at 120V.
3. Required workspace clearance for elevator control and/or machinery spaces shall be located entirely within the interior of the building.

(c) **Maintenance.** The owner shall develop, implement, and maintain a written maintenance program for Private Residence Inclined Elevators in accordance

with the manufacturer's recommendations. The maintenance shall be performed by a registered Journey-Level Elevator Mechanic as required by LAMC Section 92.0119. A log of all repairs and maintenance shall be kept at the location.

Sec. 246. Section 92.0304, Division 3, Article 2, Chapter IX of the Los Angeles Municipal Code is amended, with no other changes to existing subsections therein, to read as follows:

SEC. 92.0304. PRIVATE RESIDENCE ELEVATORS.

All elevators in private residences shall comply with the provisions of ASME A17.1-2004 and this article. **Part 5**, Section 5.3 of ASME A17.1-2004 is adopted by reference, with the following exceptions and modifications: Sections 5.3.1.7.2, 5.3.1.7.7, 5.3.1.8.1(a), 5.3.1.8.1(d), 5.3.1.18.4(a) and 5.3.1.18.5 are not adopted. ASME A17.1-2004 Sections 5.3.1.7.2 and 5.3.1.8 are adopted by reference, Sections 5.3.1.8.1(a), 5.3.1.8.1(d) are not adopted.

- (a) **Car Enclosure.** Except at entrances, cars shall be enclosed on all sides and on the top. The enclosure shall be constructed of solid material, except openwork material may be provided for ventilation. When openwork material for ventilation is provided, it shall meet the requirement of ASME A17.1-2004, Rule 2.14.2.3.
- (b) **Machine and Controls.** Machine and controls shall be located as follows:
 - 1. Machines, controls and disconcerting means shall not be mounted on cars, and shall be located outside of the hoistway in spaces dedicated to the elevator equipment.
 - 2. The machine room shall have a head clearance of at least 7 feet, and shall be provided with permanent electric lighting and a duplex receptacle rated at not less than 15A at 120V.
 - 3. Required workspace clearance for elevator control and/or machinery spaces shall be located entirely within the interior of the building.
- (c) **Car Doors and Gates.** A car door, when closed, shall guard the full opening of the entrance to the car. Car doors or gates shall be of solid construction. Scissors type gates are prohibited.
- (d) **Glass in Hoistway Landing Doors.** Glass used in hoistway landing doors shall comply with ASME A17.1-2004, Section 2.11.7.
- (e) **Car Platform and Landing Sills.** Sills shall be of metal and shall comply with ASME A17.1-2004, Rule 2.11.10.1.1 except 2.11.10.1.1(c).
- (f) **Projections or Setbacks in the Hoistway.** Any projection or setbacks in the hoistway shall comply with ASME A17.1-2004, Section 2.1.6 except Rule 2.1.6.2(b) and Rule 2.1.6.2(d) where projections or setbacks allow 4 inches (101.6 mm), this shall be reduced to 2 inches (50.8 mm).

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

1. Entrance into the bottom (below car) of the hoistway or at the top (above car) of the hoistway for cleaning and maintenance purposes shall comply with ASME A17.1-2004, Rule 5.2.1.4.2 (Bottom) and Rule 5.2.1.4.4 (top).
2. The cleaning and maintenance of the glass in the hoistway shall comply with the following:
 - (i) The cleaning of glass car enclosure and/or hoistway enclosures from inside the hoistway shall be performed by a City of Los Angeles Licensed Journey Level Elevator Mechanic as required by LAMC Section 92.0119 and employed by a State of California C11 Licensed Elevator Company.
 - (ii) A written cleaning procedure shall be developed by the original installation elevator company and kept on the premises where the elevator controller is located. The procedure shall identify the hazards and shall also detail safety precautions to be utilized.
 - (iii) A maintenance data plate with lettering a minimum size of 6 mm (0.25 inch) high on a contrasting background shall be fastened in a conspicuous place inside the elevator stating: "ALL MAINTENANCE OF ELEVATOR, INCLUDING THE CLEANING OF GLASS, SHALL BE PERFORMED AS REQUIRED BY LAMC Section 92.0119."
 - (iv) A copy of the glass cleaning procedure from the original elevator installation company, on the original elevator installation company's letterhead, shall be made available on the acceptance inspection to the LADBS Elevator Division.

Sec. 247. Section 93.0201, Division 2, Article 3, Chapter IX of the Los Angeles Municipal Code is amended, with no other changes to existing subsections therein, to read as follows:

SEC. 93.0201. PERMIT REQUIRED.

No person shall, install, alter, reconstruct, or repair any electrical wiring unless a permit ~~therefor~~ has been obtained from the Department except as otherwise provided in this Code. A permit is required for solar powered, stand-alone equipment, including, but not limited to, solar powered pole-mounted luminaires. **The permit work description and fees shall match the electrical work to be performed under said permit.**

EXCEPTIONS:

1. A separate electrical permit shall not be required for any electrical wiring for which a combined building-mechanical permit has been obtained pursuant to LAMC Subsection 91.107.2.2.

2. No person shall be subject to fine, imprisonment or payment of an investigation fee for starting or doing any electrical wiring without a permit being first obtained if a permit is obtained therefor on or before 12:00 noon on the third day the office of the Department is open for public business after the electrical wiring was started.

Sec. 248. Subsection (a) of Section 93.0202, Division 2, Article 3, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

(a) No permit shall be required in the following cases:

1. Electric wiring expressly declared to be exempt from permit requirements of this Code by any other sections of the Code or by any other provisions of the LAMC.
2. Wiring for temporary theater sets on the theater stages or temporary motion picture or television sets on any property belonging to or under the control of the City, privately owned studios, theaters, or similar locations designed for that usage.
3. Installation of any portable motor or other portable appliance energized by means of a cord or cable having an attachment plug end, when that cord or cable is permitted by this Code.
4. Repair or replacement of fixed motors or fixed appliances, supplied by branch circuits not exceeding 20 amperes and not exceeding 240 volts nominal, of the same type and rating in the same location where not located in an area classed as "hazardous" under CEC Article 500.
5. Festive temporary decorative lighting in dwelling occupancies only, for a period not to exceed 90 days.
6. Repair or replacement of current-carrying parts of any switch, contactor or control device.
7. Reinstallation of attachment plug receptacle, but not the outlets for it.
8. Replacement of any overcurrent device of the same rating and in the same location.
9. Replacement of gas tube electrodes, transformers, tubes, drivers and power supplies with the same original manufactured parts having the same size, type, capacity and ratings for electric signs, or luminaries.
10. Taping of joints.
11. Removal of electric wiring.
12. Temporary wiring for experimental purposes in suitable experimental laboratories.
13. The following electrical wiring:

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

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

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

(iv) Any non-required circuit which operates at 12.4 volts or less and does not generate, transmit, transform, utilize or control more than 25 watts or volt-amperes of electric power.

EXCEPTION: A ~~No~~ permit is required when ~~provided~~ the above-described wiring is ~~not~~ located in any of the following locations:

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

14. Any similar repair or replacement determined by the Department not to involve any hazard to life or property.

15. Repair or replacement of like in kind luminaires in single-family dwellings.

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

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

18. Electric wiring in the Harbor District pursuant to Section 98.0102.1(a) of the Los Angeles Municipal Code.

Sec. 249. Subsection (b) of Section 93.0206, Division 2, Article 3, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

(b) Plans and specifications for all wiring intended to be installed on the premises shall be submitted to and approved by the Department before a permit is issued and before installing any wiring related to the following:

1. Theaters or motion picture theaters.
2. Places of assembly.
3. All health care facilities within the scope of CEC Article 517.
4. A new building or an addition to a building if the computed area exceeds 30,000 square feet (2,787 m²), any first-time tenant(s), any installation if the new total connected load exceeds 400 amperes, or the installation of equipment rated 600 amperes or more. The computed area shall be the sum of the areas on each floor bounded by the outside surfaces of the exterior walls and shall include floor areas beneath building projections that extend more than 6 feet (182.8 mm);

EXCEPTION: When the service distribution board includes a main breaker rated at 400A or less and a busbar rated at 600A or more, the main breaker shall be utilized to determine the rating, as specified in Section 93.0206(b)(4). A permanent placard indicating the service size provided by the utility company must be affixed and compliant with 93.110.21

Note: The rating of the main breaker shall match the service being provided by the utility company.

5. All electrical installations over 600 volts.
6. Installation in locations classified as hazardous locations, unless otherwise satisfactory to the Department.
7. Projects which include the installation of exit signs, egress lighting or security lighting.
8. Installation of a complicated electrical system as determined by the Department, such as Emergency, Legally Required Standby, Fire Alarm and Signaling, and Gas Detection Systems, except for the following:
 - (i) The addition of strobe power supplies and their attached devices connected to any existing fire control unit or panel. (Note: This exception does not apply for a first-time tenant.)
 - (ii) The installation of special extinguishing, central station monitoring systems, dialers, and their attached devices.
 - (iii) The addition of any fire alarm and signaling devices connected to an existing addressable fire alarm and signaling system. (Note: this exception does not apply for a first-time tenant.)
9. Installation of lighting fixtures weighing more than 300 pounds.

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

EXCEPTION: Department approved online permitted Standard plans.

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

EXCEPTION: Department approved online permitted Standard plans.

12. Engineering calculation(s) and analysis.

Sec. 250. Section 94.400.0, Division 4, Article 4 Chapter IX of the Los Angeles Municipal Code is amended, with no other changes to existing subsections therein, to read as follows:

SEC. 94.400.0. BASIC PROVISIONS.

Chapter 4 of the CPC is adopted by reference except CPC Sections 412.1 and 412.1.2 are not adopted, and LAMC Subsections 94.407.2.4.1, 94.412.1, 94.412.1.2, 94.414.4, and 94.414.5 are amended or added to read as follows:

Sec. 251. Section 94.600.0, Division 6, Article 4 Chapter IX of the Los Angeles Municipal Code is amended, with no other changes to existing subsections therein, to read as follows:

SEC. 94.600.0. BASIC PROVISIONS.

Chapter 6 of the CPC is adopted by reference with the following exceptions: CPC Sections ~~603.5.12 and 610.5~~ are not adopted and Los Angeles Municipal Code Subsections ~~94.94.610.4.1~~, 94.610.4.1.1, 94.610.4.1.2, 94.610.4.1.3, and 94.610.5 are added.

Sec. 252. Section 94.1200.0, Division 12, Article 4 Chapter IX of the Los Angeles Municipal Code is amended, with no other changes to existing subsections therein, to read as follows:

SEC. 94.1200.0. BASIC PROVISIONS.

Chapter 12 of the CPC is adopted by reference and LAMC Section ~~94.1216.094.1217.0~~ is added.

Sec. 253. Section 94.2014.0, Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is amended, with no other changes to existing subsections therein, to read as follows:

SEC. 94.2014.0. NFPA 13D.

Chapter 35 of the ~~20252~~ California Building Code to the extent it adopts and amends NFPA 13D is adopted by reference and LAMC Subsection 94.2014.1 is added to read as follows:

Sec. 254. Section 94.2020.0, Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is amended, with no other changes to existing subsections therein, to read as follows:

SEC. 94.2020.0. NFPA 14.

Chapter 35 of the ~~2025~~ California Building Code to the extent it adopts and amends NFPA 14 is adopted by reference and the following Los Angeles Municipal Code subsections are added to read as follows:

Sec. 255. Subsection 94.2020.3 of Section 94.2020.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

94.2020.3. NFPA 14 Section 9.1.1 is hereby added to read as follows:

9.1.15. Water supplies from the following sources shall be permitted:

1. A public waterworks system where pressure and flow rate are adequate;
2. Automatic fire pumps connected to an approved water source in accordance with NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection.

Sec. 256. Subsection 94.2020.5 of Section 94.2020.0, Division 20, Article 4, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

94.2020.5. NFPA 14 Section 12.2.22 is amended to read as follows:

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

12.2.22.1. Roof Outlets. Standpipe risers going through the last floor of the building, through a floor under a roof, or adjacent to a roof shall be designed so that they can be flushed through outlets located on roof.

12.2.22.2. Flow. All standpipes shall be flushed individually through the roof, or in the absence of roof outlets, through the topmost outlet at a residual pressure of at least 65 psi. The flow for Class I and Class III standpipes shall be at least 500 g.p.m through each riser.

Sec. 257. Section 94.2030.0, Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is amended, with no other changes to existing subsections therein, to read as follows:

SEC. 94.2030.0. NFPA 20 FIRE PUMPS AND DRIVERS.

Chapter 35 of the ~~2025~~ California Building Code to the extent it adopts and amends NFPA 20 is adopted by reference and Los Angeles Municipal Code Subsections 94.2030.1, 94.2030.2, and 94.2030.3 are amended or added to read as follows:

Sec. 258. Section 94.2040.0, Division 20, Article 4 Chapter IX of the Los Angeles Municipal Code is amended, with no other changes to existing subsections therein, to read as follows:

SEC. 94.2040.0. NFPA 24 INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES.

Chapter 35 of the ~~2025~~ California Building Code to the extent it adopts and amends NFPA 24 is adopted by reference.

Sec. 259. Section 94.2100.0 of Division 21, Article 4 Chapter IX of the Los Angeles Municipal Code is amended, with no other changes to existing subsections therein, to read as follows:

SEC. 94.2100.0. BASIC PROVISIONS.

Appendices B, D, H, I, and J of the ~~2022~~ California Plumbing Code are adopted by reference. Appendices C, E, F, G, K, L, M, and N of the California Plumbing Code are not adopted, and Appendix A of the California Plumbing Code is adopted by reference with the following amendment:

A 104.1. Residual Pressures. Decide what is the desirable minimum residual pressure that shall be maintained at the highest fixture in the supply system. The available residual pressure shall be not less than 15 psi (103 kPa). Where fixtures, fixture fittings or both are installed that require residual pressure exceeding 15 psi (103 kPa), that minimum residual pressure shall be provided.

Sec. 260. Subsection 95.117.1 of Section 95.117, Division 1, Article 5, Chapter IX of the Los Angeles Municipal Code is amended to read as follows:

95.117.1. Validity of Code. Where a section, subsection, sentence, clause, ~~or~~ ~~or~~ phrase of this Code is, for a reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this Code. The legislative body hereby declares that it would have passed this Code, and each section, subsection, sentence, clause, or phrase thereof, irrespective of the fact that one or more sections, subsections, sentences, clauses, and phrases are declared unconstitutional.