

CITY OF LONG BEACH

BEAC PUBLIC HEARING 1 FINDINGS

LOCAL ADOPTION OF THE LATEST CALIFORNIA BUILDING STANDARDS CODE AND UNIFORM HOUSING CODE

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PREPARED BY



LONG BEACH
DEVELOPMENT
SERVICES



This information is available in alternative format by request at (562) 570-5237.
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TABLE OF CONTENT

CHAPTER NUMBER	TITLE	STATUS ¹	PAGE
18.01	General Provisions	A	4
18.02	Definitions	E	-
18.03	Administration and Enforcement	E	-
18.04	Permits	E	-
18.05	Submittal Documents	A	4
18.06	Fees	E	-
18.07	Inspections	E	-
18.08	Certificate of Occupancy	E	-
18.09	Violations	E	-
18.10	Board of Appeals	E	-
18.11	Building Address and Number	E	-
18.15	Police Facilities Impact Fee	E	-
18.16	Fire Facilities Impact Fee	E	-
18.17	Transportation Improvement Fee	E	-
18.18	Park and Recreation Facilities Fee	E	-
18.20	Unsafe Buildings or Structures	E	-
18.21	Maintenance of Long-term Boarded and Vacated Buildings	E	-
18.24	Foreclosure Registry Program	E	-
18.25	Tenant Relocation and Code Enforcement	E	-
18.29	Maintenance of Vacant Lots	E	-
18.30	Proactive Rental Housing Inspection Program	E	-
18.40	Building Code	A	4
18.41	Residential Code	A	16
18.42	Electrical Code	A	20
18.43	Plumbing Code	A	20
18.44	Mechanical Code	A	20
18.45	Housing Code	E	-
18.46	Energy Code	A	21
18.47	Green Building Standards Code	A	21
18.48	Fire Code	A	21
18.49	Existing Building Code	A	22
18.50	Historical Building Code	A	23
18.60	Moving Buildings	E	-
18.62	Report on Available Off-street Parking Spaces Upon Resale	E	-
18.63	Alternative Building Standards for Adaptive Reuse Projects	E	-
18.64	Sandblasting	E	-
18.65	Demolition of Historic Landmarks	E	-
18.67	Construction and Demolition Recycling Program	E	-
18.68	Earthquake Hazard Regulations	E	-
18.69	Voluntary Earthquake Hazard Reduction in Existing Wood Frame Residential Buildings with Weak Cripple Walls and Unbolted Sill Plates	A	4
18.70	Voluntary Earthquake Hazard Reduction in Existing Wood Frame Residential Buildings with Soft, Weak or Open Front Walls	A	4
18.71	Voluntary Earthquake Hazard Reduction in Existing Reinforced Concrete Buildings and Concrete Frame Buildings with Masonry Infills	A	4
18.72	Voluntary Earthquake Hazard Reduction in Existing Reinforced Concrete and Reinforced Masonry Wall Buildings with Flexible Diaphragms	A	4
18.75	Grading, Excavations and Fills	A	4

THE 2023 PROPOSED AMENDMENTS TO THE LONG BEACH MUNICIPAL CODE

18.77	Expedited Permitting Process for Residential Roof Solar Energy Systems	E	-
18.99	Findings	A	4

FOOTNOTE:

1. E = Existing chapter with no changes (omitted from this document)
A = Altered chapter
D = Deleted chapter

Please note: Only findings related to chapters and their associated sections with known amendments are included in this document for the sake of brevity. Chapters with anticipated significant amendments have been excluded from the table of contents and this document, as a whole, and will be addressed in the supporting documentation for upcoming BEAC meetings. The use of ellipses (...) in this document represent the omission of text within a chapter or section.

Findings and determinations relative to the adoption of administrative amendments to the 2022 Edition of the California Building Standards Code, Title 24 of the California Code of Regulations.

Chapters 18.01 thru 18.30 and 18.60 thru 18.99 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Findings and determinations relative to the adoption of administrative amendments, and where appropriate, the adoption of more restrictive building standards code provisions amendments to the 2022 Edition of the California Building Code, Part 2, Title 24 of the California Code of Regulations.

Section 18.40.010 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. Amendment is necessary on the basis of a local topographic condition. The City of Long Beach is a densely populated city having buildings and structures constructed within or near flood-prone areas that are capable of maximizing public and private losses during times of flooding in specified flood hazard areas. The proposed amendment makes modification and changes to better limit personal injury and property damage during times of flooding and to establish criteria for the design and construction of buildings and structures or repair of damaged property before and following a local emergency. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code and Long Beach Municipal Code.

Section 18.40.020 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Section 18.40.040 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Section 18.40.050 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is located in Seismic Design Categories D, E or F as determined by the International Building Code, and in Seismic Design Categories D₂ or E as determined by the International Residential Code, which are considered by experts to be one of the most active seismic regions in the world. The proposed amendment requires automatic sprinkler system to be installed throughout a building ensure that a reasonable margin of safety is provided due to the necessity of providing on site fire protection in a seismic emergency when fire department resources could be greatly delayed and overwhelmed and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.060 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Section 18.40.070 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is located in Seismic Design Categories D, E or F as determined by the International Building Code, and in Seismic Design Categories D₂ or E as determined by the International Residential Code, which are considered by experts to be one of the most active seismic regions in the world. The proposed

amendment to require automatic sprinkler system ensures that a reasonable margin of safety is provided due to the necessity of providing on site fire protection in a seismic emergency when fire department resources could be greatly delayed and overwhelmed and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.080 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is located in Seismic Design Categories D, E or F as determined by the International Building Code, and in Seismic Design Categories D₂ or E as determined by the International Residential Code, which are considered by experts to be one of the most active seismic regions in the world. The proposed amendment to require automatic sprinkler system ensures that a reasonable margin of safety is provided due to the necessity of providing on site fire protection in a seismic emergency when fire department resources could be greatly delayed and overwhelmed and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.090 Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is located in Seismic Design Categories D, E or F as determined by the International Building Code, and in Seismic Design Categories D₂ or E as determined by the International Residential Code, which are considered by experts to be one of the most active seismic regions in the world. The proposed amendment to require a safety factor for hydraulic calculation ensures that a reasonable margin of safety is provided due to the necessity of providing on site fire protection in a seismic emergency when fire department resources could be greatly delayed and overwhelmed and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Sections 18.40.100 to 18.40.110 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Section 18.40.120 Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is located in Seismic Design Categories D, E or F as determined by the International Building Code, and in Seismic Design Categories D₂ or E as determined by the International Residential Code, which are considered by experts to be one of the most active seismic regions in the world. The proposed amendment to specify requirement for alarm devices ensures that a reasonable margin of safety is provided due to the necessity of providing on site fire protection in a seismic emergency when fire department resources could be greatly delayed and overwhelmed and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Fire Code.

Section 18.40.130 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Section 18.40.140 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is located in Seismic Design Categories D, E or F as determined by the International Building Code, and in Seismic Design Categories D₂ or E as determined by the International Residential Code, which are considered by experts to be one of the most active seismic regions in the world. The proposed amendment requires a higher psi design at the discharge to ensure that a reasonable margin of safety is provided due to the necessity of providing on site fire protection in a seismic emergency when fire department resources could be greatly delayed and overwhelmed and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Fire Code.

Sections 18.40.150 to 18.40.170 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Section 18.40.180 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is located in Seismic Design Categories D, E or F as determined by the International Building Code, and in Seismic Design Categories D₂ or E as determined by the International Residential Code, which are considered by experts to be one of the most active seismic regions in the world. The proposed amendment to require fire alarm ensures that a reasonable margin of safety is provided due to the necessity of providing on site fire protection in a seismic emergency when fire department resources could be greatly delayed and overwhelmed and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Fire Code.

Section 18.40.190 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is located in Seismic Design Categories D, E or F as determined by the International Building Code, and in Seismic Design Categories D₂ or E as determined by the International Residential Code, which are considered by experts to be one of the most active seismic regions in the world. The proposed amendment to require smoke removal systems ensures that a reasonable margin of safety is provided due to the necessity of providing on site fire protection in a seismic emergency when fire department resources could be greatly delayed and overwhelmed and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Fire Code.

Sections 18.40.200 to 18.40.210 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Section 18.40.220 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is located in Seismic Design Categories D, E or F as determined by the International Building Code, and in Seismic Design Categories D₂ or E as determined by the International Residential Code, which are considered by experts to be one of the most active seismic regions in the world. The proposed amendment to specify requirements for fire department connection ensures that a reasonable margin of safety is provided due to the necessity of providing on site fire protection in a seismic emergency when fire department resources could be greatly delayed and overwhelmed and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Fire Code.

Sections 18.40.230 to 18.40.260 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Section 18.40.280 – Amendment is necessary on the basis of a local topographic condition. The City of Long Beach is a densely populated city having buildings and structures constructed within or near flood-prone areas that are capable of maximizing public and private losses during times of flooding in specified flood hazard areas. The proposed amendment makes modification and changes to better limit personal injury and property damage during times of flooding and to establish criteria for the design and construction of buildings and structures or repair of damaged property before and following a local emergency. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance

with the scope and objectives of the California Building Code, California Residential Code and Long Beach Municipal Code.

Section 18.40.290 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment makes minor editorial changes to reflect the appropriate reference to the City’s Municipal Code for flood related inspections and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.300 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to limit mixed structural system to two stories is intended to improve quality of construction by reducing potential damages that may result from vertical irregularities of the structural system in buildings subject to high seismic load to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.310 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to limit mixed structural system to two stories is intended to improve quality of construction by reducing potential damages that may result from vertical irregularities of the structural system in buildings subject to high seismic load to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.320 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to require special anchorage of the diaphragm to the wall and limit the allowable shear will address special needs for concrete and masonry construction with flexible wood diaphragm the amendment makes modification and changes to better limit personal injury and property damage as a result of seismic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Sections 18.40.330 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment requiring safe design and construction requirements for ceiling suspension systems to resist seismic loads is intended to minimize the amount of damage within a building and along the path of the means of egress to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.340 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to require the registered design professional in responsible charge for the structural design to observe the construction will help ensure acceptable standards of

workmanship is provided, to improve the quality of the observation, to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.350 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to require the registered design professional in responsible charge for the structural design to observe the construction will help ensure acceptable standards of workmanship is provide, to improve the quality of the observation to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.360 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment ensures better performance of building or structure by requiring special inspection for concrete with a compressive strength greater than 2,500 pounds per square inch to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.370 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to exclude structures assigned to Seismic Design Category D, E or F from being exempt from requiring special inspections will improve quality assurance and ensures better performance of buildings or structures to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.380 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Sections 18.40.390 – Amendment is necessary on the basis of a local geologic and climatic conditions. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The City of Long Beach is a densely populated city having buildings and structures constructed within a climate system capable of producing major winds, fire and rain related disasters, including but not limited to those caused by the Santa Ana winds and El Nino (or La Nina) subtropical-like weather. The proposed amendment takes the precautionary steps to reduce or eliminate potential problems that may result in using wood foundation systems that experience relatively rapid decay due to the fact that the region does not experience temperatures cold enough to destroy or retard the growth and proliferation of wood-destroying organisms to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.400 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing

a major earthquake. The proposed amendment to reduce or eliminate potential problems that may result by following prescriptive design provisions that does not take into consideration the surrounding environment to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.410 – Amendment is necessary on the basis of a local geologic and climatic conditions. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The City of Long Beach is a densely populated city having buildings and structures constructed within a climate system capable of producing major winds, fire and rain related disasters, including but not limited to those caused by the Santa Ana winds and El Nino (or La Nina) subtropical-like weather. The proposed amendment prohibit the use of wood foundation systems as well as limit prescriptive design provisions in an effort to mitigate potential problems or deficiencies due to the proliferation of wood-destroying organism to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.420 – Amendment is necessary on the basis of a local geologic and climatic conditions. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The City of Long Beach is a densely populated city having buildings and structures constructed within a climate system capable of producing major winds, fire and rain related disasters, including but not limited to those caused by the Santa Ana winds and El Nino (or La Nina) subtropical-like weather. The proposed amendment takes the precautionary steps to reduce or eliminate potential problems that may result in using wood foundation systems that experience relatively rapid decay due to the fact that the region does not experience temperatures cold enough to destroy or retard the growth and proliferation of wood-destroying organisms to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.430 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to reduce or eliminate potential problems that may result for under reinforced footings located on sloped surfaces to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.440 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to address the problem of poor performance of plain or under-reinforced footings to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Sections 18.40.450 – Amendment is necessary on the basis of a local geologic and climatic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake and constructed within a climate system capable of producing major winds, fire and rain related disasters, including but not limited to those caused by the Santa Ana

winds and El Nino (or La Nina) subtropical-like weather. The proposed amendment takes the precautionary steps to reduce or eliminate potential problems that may result by using timber footings that experience relatively rapid decay due to the fact that the region does not experience temperatures cold enough to destroy or retard the growth and proliferation of wood-destroying organisms to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.460 – Amendment is necessary on the basis of a local geologic and climatic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake and within a climate system capable of producing major winds, fire and rain related disasters, including but not limited to those caused by the Santa Ana winds and El Nino (or La Nina) subtropical-like weather. The proposed amendment takes the precautionary steps to reduce or eliminate potential problems that may result by using timber footings that experience relatively rapid decay due to the fact that the region does not experience temperatures cold enough to destroy or retard the growth and proliferation of wood-destroying organisms to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.470 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment requires minimum reinforcement to address the problem of poor performance of plain or under-reinforced footings to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.480 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to increase confinement in critical columns, limiting the use of highly gravity loaded walls, and increase concrete coverage in thin slabs are intended to prevent failure of the structure and to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.490 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces. The proposed amendment limit the use of staple fasteners in resisting or transferring seismic forces to better limit personal injury and property damage as a result of seismic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.500 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment limits or prohibits the shear value of overdriven nails or the use of box and clipped head nails to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Sections 18.40.510 – Amendment is necessary on the basis of a local geologic and climatic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake and within a climate system capable of producing major winds, fire and rain related disasters, including but not limited to those caused by the Santa Ana winds and El Nino (or La Nina) subtropical-like weather. The proposed amendment to reduce or eliminate potential problems that may result by using wood in retaining or crib walls that experience relatively rapid decay due to the fact that the region does not experience temperatures cold enough to destroy or retard the growth and proliferation of wood-destroying organisms to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.520 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment limits the allowable capacity of hold-downs to 75% of the acceptance report value to provide an additional factor of safety for statically tested anchorage devices to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.530 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment reduces allowable shear values in wood structural panel shear walls or diaphragms that were not substantiated by cyclic testing to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Sections 18.40.540 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment reduces allowable shear values in wood structural panel shear walls or diaphragms that were not substantiated by cyclic testing to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.550 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment reduces allowable shear values in wood structural panel shear walls or diaphragms that were not substantiated by cyclic testing to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.560 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment specifies minimum sheathing thickness and nail size and spacing so as to provide a uniform standard of construction for designers and builders to better limit personal injury and property damage as a result of seismic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings

or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.570 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment specifies minimum sheathing thickness and nail size and spacing so as to provide a uniform standard of construction for designers and builders to better limit personal injury and property damage as a result of seismic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.580 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment specifies minimum sheathing thickness and nail size and spacing so as to provide a uniform standard of construction for designers and builders to better limit personal injury and property damage as a result of seismic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.590 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment limits the use of the exception provisions to structures assigned to Seismic Design Category A, B or C where lower seismic demands are expected and requires interior braced walls be supported by continuous foundations to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.600 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces. The proposed amendment limit the use of staple fasteners in resisting or transferring seismic forces to better limit personal injury and property damage as a result of seismic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code.

Section 18.40.610 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

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Section 18.40.650 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and

constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.660 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.670 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.680 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.690 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.700 – Amendment is necessary on the basis of a local topographic condition. The City of Long Beach is a densely populated city having buildings and structures constructed within or near flood-prone areas that are capable of maximizing public and private losses during times of flooding in specified flood hazard areas. The proposed amendment makes modification and changes to better limit personal injury and property damage during times of flooding and to establish criteria for the design and construction of buildings and structures or repair of damaged property before and following a local emergency. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code and Long Beach Municipal Code.

Section 18.40.710 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.720 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.730 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.740 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.750 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.760 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.770 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.780 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.790 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.800 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Section 18.40.810 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does

not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. The proposed amendment clarifies that any new construction, substantial improvement of existing buildings or structures, or repair of existing buildings or structures that have sustained substantial damage in flood hazard areas are subject to the requirement of Section 1612 and Appendix G or Section R322. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Building Code, California Residential Code, and Long Beach Municipal Code.

Findings and determinations relative to the adoption of administrative amendments, and where appropriate, the adoption of more restrictive building standards code provisions amendments to the 2022 Edition of the California Residential Code, Part 2.5, Title 24 of the California Code of Regulations.

Sections 18.41.010 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code. Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to prohibit the use of strawbale construction is intended to reduce or eliminate potential damages that may result from the prescriptive design of brittle and non-ductile buildings and structures that are subject to high seismic load to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code and Long Beach Municipal Code.

Section 18.41.020 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Section 18.41.030 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment requires a registered design professional to prepare construction documents that minimizes or reduces structural deficiencies that may cause excessive damage or injuries in wood frame buildings and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.040 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Section 18.41.050 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment reduces or eliminates potential problems that may result by limiting the type of irregular conditions to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.060 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment places limit on the equipment weight before requiring the structural member supporting the weight to be designed by a registered design professional that better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.070 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Section 18.41.080 – Amendment is necessary on the basis of a local geologic and climatic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake and within a climate system capable of producing major winds, fire and rain related disasters, including but not limited to those caused by the Santa Ana winds and El Nino (or La Nina) subtropical-like weather. The proposed amendment prohibits the use of wood foundation to better limit personal injury and property damage as a result of geologic and climatic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.090 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment requires minimum reinforcement for stepped footings to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.100 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment requires interior braced walls to be supported by continuous foundations to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.110 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to reduce or eliminate potential problems that may result for under reinforced footings located on sloped surfaces to better limit personal injury and property damage as a result of geologic activity and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.120 – Amendment is necessary on the basis of a local geologic and climatic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake and within a climate system capable of producing major winds,

fire and rain related disasters, including but not limited to those caused by the Santa Ana winds and El Nino (or La Nina) subtropical-like weather. The proposed amendment prohibits the use of wood foundation walls to better limit personal injury and property damage as a result of geologic and climatic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.130 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment requires blocking with metal ties around larger floor openings and limiting opening size to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.140 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment limits the type of fasteners that can be used to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.150 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment prohibits the use of single top plate splice connection to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.160 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment limit the use staples in high seismic region to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.170 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment requires a minimum braced wall length in high seismic region to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.180 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment requires a minimum braced wall length and type in high

seismic region to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.190 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment requires a minimum braced wall length and type in high seismic region to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.200 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment specifies a higher shear wall aspect ratio to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.210 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment specifies minimum sheathing thickness, nail size and spacing to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.220 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment specifies minimum sheathing thickness, nail size and spacing to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.230 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment specifies minimum sheathing thickness, nail size and spacing to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.240 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment limits the use of unreinforced masonry to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings

or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.250 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment specifies minimum reinforcements to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.260 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment requires blocking with metal ties around larger floor openings and limiting opening size to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Section 18.41.270 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment requires minimum reinforcement of chimney and fireplace to better limit personal injury and property damage as a result of geologic activity and therefore needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Residential Code.

Findings and determinations relative to the adoption of administrative amendments to the 2022 Edition of the California Electrical Code, Part 3, Title 24 of the California Code of Regulations.

Section 18.42.010 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Findings and determinations relative to the adoption of administrative amendments to the 2022 Edition of the California Plumbing Code, Part 4, Title 24 of the California Code of Regulations.

Section 18.43.010 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Findings and determinations relative to the adoption of administrative amendments to the 2022 Edition of the California Mechanical Code, Part 5, Title 24 of the California Code of Regulations.

Section 18.44.010 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Findings and determinations relative to the adoption of administrative amendments to the 2022 Edition of the California Energy Code, Part 6, Title 24 of the California Code of Regulations.

Section 18.46.010 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Findings and determinations relative to the adoption of administrative amendments, and where appropriate, the adoption of more restrictive building standards code provisions amendments to the 2022 Edition of the California Green Building Standards Code, Part 11, Title 24 of the California Code of Regulations.

Sections 18.47.010 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

...

Findings and determinations relative to the adoption of administrative amendments, and where appropriate, the adoption of more restrictive building standards code provisions amendments to the 2022 Edition of the California Fire Code, Part 9, Title 24 of the California Code of Regulations.

Sections 18.48.010 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 13143.5, 17958.7 and 18941.5(b) of the California Health and Safety Code.

...

Sections 18.48.120 to 18.48.234, 18.48.280, 18.48.320 to 18.48.330, 18.48.380 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 13143.5, 17958.7 and 18941.5(b) of the California Health and Safety Code.

...

Sections 18.48.400 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is located in Seismic Design Categories D, E or F as determined by the International Building Code, and in Seismic Design Categories D₂ or E as determined by the International Residential Code, which are considered by experts to be one of the most active seismic regions in the world. The proposed amendment requires densely populated occupancies to have an additional means of escape to ensure that a reasonable margin of safety is provided due to the necessity of providing on site fire protection in a seismic emergency when fire department resources could be greatly delayed and overwhelmed and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Fire Code.

Section 18.48.410 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 13143.5, 17958.7 and 18941.5(b) of the California Health and Safety Code.

...

Section 18.48.490 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is located in Seismic Design Categories D, E or F as determined by the International Building Code, and in Seismic Design Categories D₂ or E as determined by the International Residential Code, which are considered by experts to be one of the most active seismic regions in the world. The proposed amendment to specify requirement for alarm devices ensures that a reasonable margin of safety is provided due to the necessity of providing on site fire protection in a seismic emergency when fire department resources could be greatly delayed and overwhelmed and therefore need to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Fire Code.

...

Sections 18.48.570 to 18.48.580 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 13143.5, 17958.7 and 18941.5(b) of the California Health and Safety Code

...

Sections 18.48.710 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 13143.5, 17958.7 and 18941.5(b) of the California Health and Safety Code.

...

Findings and determinations relative to the adoption of administrative amendments, and where appropriate, the adoption of more restrictive building standards code provisions amendments to the 2022 Edition of the California Existing Building Code, Part 10, Title 24 of the California Code of Regulations.

Sections 18.49.010 – 18.49.020 – Amendment is necessary for local administrative clarification, and does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code pursuant to Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Section 18.49.030 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to ensure that new occupancies with a high occupant load are properly evaluated to reduce or mitigate any potential hazards to future occupants in existing URM buildings or structures. The proposed amendment makes modification and changes to better limit personal injury and property damage as a result of geologic activity and to establish criteria for repair of damaged property following a local emergency. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Existing Code.

Section 18.49.040 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to ensure that new occupancies with a high occupant load are properly evaluated to reduce or mitigate any potential hazards to future occupants in existing URM buildings or structures. The proposed amendment makes modification and changes to better limit personal injury and property damage as a result of geologic activity and to establish criteria for repair of damaged property following a local emergency. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Existing Code.

Section 18.49.050 – Amendment is necessary on the basis of a local geologic condition. The City of Long Beach is a densely populated city having buildings and structures constructed over or near a vast array of fault traces resulting from the active Newport-Inglewood fault system that is capable of producing a major earthquake. The proposed amendment to ensure that new occupancies with a high occupant load are properly evaluated to reduce or mitigate any potential hazards to future occupants in existing URM buildings or structures. The proposed amendment makes modification and changes to better limit personal injury and property damage as a result of geologic activity and to establish criteria for repair of damaged property following a local emergency. Therefore, it needs to be incorporated into the code to assure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the California Existing Code.

Section 18.49.060 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.

Findings and determinations relative to the adoption of administrative amendments to the 2022 Edition of the California Historical Building Code, Part 8, Title 24 of the California Code of Regulations.

Sections 18.50.010 to 18.50.060 – Amendment is necessary for local administrative clarification, does not modify a Building Standards as defined in Section 18909(c) of the California Health and Safety Code, and does not require the express findings and determination required by Sections 17958, 17958.5 and 17958.7 of the California Health and Safety Code.