

RESOLUTION NO. 19-29,118

A RESOLUTION OF THE COUNCIL OF THE CITY OF BURBANK MAKING EXPRESS FINDINGS AND DETERMINATIONS THAT MODIFICATIONS TO THE 2019 CALIFORNIA BUILDING STANDARDS CODE ARE REASONABLY NECESSARY BECAUSE OF LOCAL CLIMATIC, GEOLOGICAL AND TOPOGRAPHICAL CONDITIONS.

THE COUNCIL OF THE CITY OF BURBANK FINDS AND RESOLVES AS FOLLOWS:

Section 1. Certain building standards and other related model codes are adopted by the State of California, as set forth in Title 24 of the California Code of Regulations, and are known as the "California Building Standards Code." The California Building Standards Code consists of the California Administrative Code, California Building Code, California Residential Code, California Electrical Code, California Mechanical Code, California Plumbing Code, California Energy Code, California Historical Building Code, California Fire Code, California Existing Building Code, California Green Building Standards Code, and California Referenced Standards Code.

Section 2. The California Building Standards Code becomes applicable to the City of Burbank upon its effective date unless amended by the City pursuant to Health and Safety Code Section 17958.

Section 3. Health and Safety Code Section 17958.5 authorizes the City to make reasonably necessary changes or modifications to the State adopted building codes, including the California Building Standards Code, based on local climatic, geological, or topographical conditions.

Section 4. Prior to making such changes, Health and Safety Code Section 17958.7 requires the City Council to make express findings of the necessity for the modifications to the building standards contained in the California Building Standards Code.

Section 5. The Council of the City of Burbank has determined that modifications to the California Building Standards Code, 2019 Edition, as described herein, are reasonably necessary due to local climatic, geological, and topographical conditions, and hereby makes express findings of the necessity for such modifications.

Section 6. Express Findings. In support of these modifications and changes, the City Council hereby expressly finds that the amendments and modifications to building standards contained in the 2019 California Building Standards Code, as adopted by the City, are reasonably necessary due to the following local climatic, geological or topographical conditions:

General Findings

(a) The presence of the Verdugo Mountains at the eastern border of the City allows wind patterns during certain climatic conditions and certain periods of the year. Further, intermittent Santa Ana wind conditions occur from September to March allowing conditions that create the potential for high velocity winds with high temperature. In addition, the region is within a climate system capable of producing major winds, fire and rain related disasters, including but limited to, those caused by the Santa Ana winds and El Nino (or La Nina) subtropical-like weather. (Climatic)

(b) The City of Burbank is located within the Verdugo-San Fernando Valley region of Southern California which has extreme arid conditions and periods of severe drought. These conditions can cause extremely dry brush and fauna in the Wildland Urban Interface of the Verdugo Hills which has been identified as a Very High Fire Hazard Severity Zone by the Office of the State Fire Marshal. (Climatic)

(c) The Safety Element of the General Plan identifies earthquake fault risk in the City due to faults located within and nearby the City boundaries such as the Verdugo Fault, the Santa Monica-Hollywood-Raymond Fault and the San Andreas Fault. The close proximity of these and other faults are capable of producing earthquakes, foreshocks and aftershocks of significant magnitude and intensity that require a higher order to seismic resilience in building design and construction. (Geological)

(d) The Los Angeles region has a vast and complex network of earthquake faults. Some of these faults, like the previously unknown Northridge Fault are blind thrust faults that earth scientists believe are capable of intense ground shaking similar or greater in size than the January 17, 1994 Northridge Earthquake. The random possible location of these blind thrust faults increase the local seismic risk and pose an increasing threat to public safety. (Geological)

(e) The Safety Element of the General Plan also identifies areas within the City having liquefiable soils that have the potential of allowing greater damage to building structures in an earthquake. Liquefaction is a very destructive secondary effect of strong seismic shaking where a loss of bearing strength occurs along with ground oscillations in the supporting soils. (Geological)

(f) Several existing buildings are located on parcels in the City of Burbank on hilly terrain with slopes that create grading, drainage, foundation, infrastructure, utility and emergency access challenges. (Topographical)

Specific Findings

(g) The City of Burbank is a densely populated area having buildings and structures constructed over and near a vast array of fault systems capable of producing major earthquakes, including but not limited to the 1994 Northridge Earthquake, the 1987 Whittier Narrows Earthquake, the 1971 San Fernando Earthquake and the 1933 Long Beach Earthquake. Additionally, the topography within the City of Burbank includes significant hillsides with narrow and winding access that makes timely response by fire suppression vehicles challenging and difficult. In addition, the region is 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. This region is especially susceptible to more active termite and wood attacking insects and microorganisms.

1. Modification to California Building Standards Code ("CBSC") Part 2 § 1507.3.1. This amendment will reduce the failure of concrete and clay tile roofs during a significant earthquake and is necessary based on local geological conditions.
2. Modification to CBSC Part 2, Chapter 16. The proposed modification to limit mixed structural system to two stories is intended to improve quality of construction and is necessary based on local geological conditions.
3. Modification to CBSC Part 2, Chapter 16. The proposed modification to require special anchorage of the diaphragm to the wall and limit the allowable shear will address and clarify special needs for concrete and masonry construction with flexible wood diaphragm and is necessary based on local geological conditions.

4. Modification to CBSC Part 2, Chapter 16. The proposed modification to omit the importance factor in the equation ensures that a safe seismic separation distance is maintained for important facilities from adjoining structures and is necessary based on local geological conditions.
5. Modification to CBSC Part 2, Chapter 16. The proposed modification establishes design parameters to better mitigate and limit property damage that are the results of increased seismic forces which are imparted upon hillside buildings and structures is necessary based on local geological and topographical conditions.
6. Modification to CBSC Part 2, Chapter 16. The proposed modification 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 is necessary based on local geological conditions.
7. Modification to CBSC Part 2, §§ 1704.6, 1704.6.2. The proposed modification to require the registered design professional in responsible charge for the structural design to observe the construction will help ensure acceptable standards of workmanship are provided and to improve the quality of the observation and is necessary based on local geological conditions.
8. Modification to CBSC Part 2, § 1705.3. The proposed modification to require special inspection for concrete with a compressive strength greater than 2,500 psi will improve quality of control during construction and is necessary based on local geological conditions.
9. Modification to CBSC Part 2, § 1705.12. The proposed modification to require special inspections for detached one- or two-family dwellings not exceeding two stories above grade plane assigned to Seismic Design Category D, E and F will help ensure that acceptable standards of workmanship and quality of construction are provided and is necessary based on local geological conditions.
10. Modification to CBSC Part 2, § 1807.1.4. The proposed modification to prohibit the use of wood for foundation support or retaining earth lateral pressure as well as limit prescriptive design provisions will mitigate potential problems or deficiencies due to the surrounding environment and is necessary based on local climatic and geological conditions.

11. Modification to CBSC Part 2, § 1807.1.6. The proposed modification to prohibit prescriptive design provisions for foundation walls is due to plain concrete having performed poorly in withstanding the cyclic forces resulting from seismic events. Requiring the walls to be designed by a registered design professional will ensure that the proper analysis of the structure takes into account the surrounding condition. These changes are necessary due to local geological conditions.
12. Modification to CBSC Part 2, § 1807.2. The proposed modification to prohibit the use of wood foundation systems as well as limit prescriptive design provisions will mitigate potential problems or deficiencies due to the proliferation of wood destroying organisms and is necessary based on local climatic and geological conditions.
13. Modification to CBSC Part 2, § 1809.3. The proposed modification to require minimum reinforcement in stepped footings is intended to improve performance of buildings and structures and is necessary based on local geological conditions.
14. Modification to CBSC Part 2, § 1809.7. The proposed modification to limit the use of the prescriptive design provisions and under-reinforced or plain concrete is to ensure that the proper analysis of the structure takes into account the surrounding condition and is necessary based on local geological conditions.
15. Modification to CBSC Part 2, § 1809.12. The proposed modification to prohibit the use of timber footings will mitigate potential problems or deficiencies due to the proliferation of wood-destroying organisms and is necessary based on local climatic and geological conditions.
16. Modification to CBSC Part 2, § 1810.3.2.4. The proposed modification to prohibit the use of timber deep foundation will mitigate potential problems or deficiencies due to the proliferation of wood-destroying organisms and is necessary based on local climatic and geological conditions.
17. Modification to CBSC Part 2, § 1905.1.7. The proposed modification to require minimum reinforcement to address the problem of poor performance of plain or under-reinforced footings during a seismic event is necessary based on local geological conditions.

18. Modification to CBSC Part 2, § 1905.1. The proposed modification to increase confinement in critical columns, limiting the use of highly gravity loaded walls, and increase concrete coverage in thin slabs will help to prevent failure of the structure and is necessary based on local geological conditions.
19. Modification to CBSC Part 2, § 2304.10.1. The proposed modification to limit the use of staple fasteners to resist or transfer seismic load improve the performance of buildings and structures during a seismic event and is necessary based on local geological conditions.
20. Modification to CBSC Part 2, § 2304.10.2.1. The proposed modification to require mechanically driven nails to have the same dimensions as hand-driven nails will result in improved quality of construction and performance of wood structural panel shear walls and is necessary based on local geological conditions.
21. Modification to CBSC Part 2, § 2304.12.5. The proposed modification to prohibit the use of wood in retaining or crib walls will mitigate potential problems or deficiencies due to the proliferation of wood-destroying organisms and is necessary based on local climatic and geological conditions.
22. Modification to CBSC Part 2, § 2305.4. The proposed modification to establish minimum performance requirements for hold-down connectors will reduce failure of wood structural panel shear walls due to excessive deflection and is necessary based on local geological conditions.
23. Modification to CBSC Part 2, § 2306.2. The proposed modification to place design and construction limits on staples as fasteners used in wood structural panel or diaphragms not substantiated with cyclic testing will help to maintain minimum quality of construction and performance standards of structures and is necessary based on local geological conditions.
24. Modification to CBSC Part 2, § 2306.3. The proposed modification to place design and construction limits on stapled nail fasteners used in wood structural panel shear walls or diaphragms not substantiated with cyclic testing will help to maintain minimum quality of construction and performance standards of structures and is necessary based on local geological conditions.
25. Modification to CBSC Part 2, § 2307.2. The proposed modification to provide specific detailing requirements will improve the performance of buildings and structures and is necessary based on local geological conditions.

26. Modification to CBSC Part 2, §§ 2308.6, 2308.6.5.1, 2308.6.5.2. The proposed modification requiring minimum sheathing thickness and nailing type and size will help to maintain minimum quality of construction and performance standards of structures and is necessary based on local geological conditions.
27. Modification to CBSC Part 2, § 2308.6.8.1. The proposed modification to require continuous footings under braced wall lines will improve performance of buildings or structure during a seismic event and is necessary based on local geological conditions.
28. Modification to CBSC Part 2, § 2308.6.9. The proposed modification to provide specific detailing requirements will improve the performance of buildings and structures and is necessary based on local geological conditions.
29. Modification to CBSC Part 2, Chapter 31. The proposed amendment addresses structural designs specific to intermodal shipping containers, reduces environmental impact of unused and unrecycled intermodal shipping containers, and increases sustainability by reducing consumption of traditional construction materials, and is necessary based on local climatic and geological conditions.
30. Modification to CBSC Part 2.5, § R301.1.3.2. The proposed modification to require construction documents for wood frame construction greater than one story in height or with a basement to be approved and stamped by a California licensed architect or engineer is intended to assure that both the structural design and prescriptive requirement of the code are properly utilized and presented and is necessary based on local geological conditions.
31. Modification to CBSC Part 2.5, § R301.1.4. The proposed modification establishes design parameters to better mitigate and limit property damage resulting from increased seismic forces which are imparted upon hillside buildings and structures and is necessary based on local topographical and geological conditions.
32. Modification to CBSC Part 2.5, § R301.2.2.6. The proposed amendment limits the type of irregular conditions within buildings that may lead to higher structural damage during a seismic event and is necessary based on local geological conditions.

33. Modification to CBSC Part 2.5, § R301.2. The proposed modification to limit the equipment weight is intended to reduce injuries, save lives, and minimize structural damages and is necessary based on local geological conditions.
34. Modification to CBSC Part 2.5, § R401.1. The proposed modification to prohibit the use of wood foundation systems as well as limit prescriptive design provisions will mitigate potential problems or deficiencies due to the proliferation of wood-destroying organisms and is necessary based on local climatic and geological conditions.
35. Modification to CBSC Part 2.5, §§ R403.1.2, R403.1.3.6, R403.1.5. The proposed modification to require continuous footings under braced wall lines, require reinforcement in one- and two-family dwelling, and minimum reinforcement in stepped footings will improve performance of buildings or structure during a seismic event and minimize potential problems or deficiencies and is necessary based on local geological conditions.
36. Modification to CBSC Part 2.5, § R404.2. The proposed modification to prohibit the use of wood foundation wall will mitigate potential problems or deficiencies due to the proliferation of wood-destroying organisms and is necessary based on local geological conditions.
37. Modification to CBSC Part 2.5, § R501.1. The proposed modification to limit the equipment weight is intended to reduce injuries, save lives, and minimize structural damages and is necessary based on local geological conditions.
38. Modification to CBSC Part 2.5, § R503.2.4. The proposed modification to require specific detailing at large floor openings is intended to address the poor performance of floor diaphragms with openings and limit or reduce property damages during a seismic event and is necessary based on local geological conditions.
39. Modification to CBSC Part 2.5, § R602.3(1). The proposed modification to place design and construction limits on staples as fasteners used in wood structural panel or diaphragms not substantiated with cyclic testing will help to maintain minimum quality of construction and performance standards of structures and is necessary based on local geological conditions.

40. Modification to CBSC Part 2.5, § R602.3.2. The proposed modification to eliminate the usage of a single top plate will help to maintain minimum quality of construction and performance standards of structures and is necessary based on local geological conditions.
41. Modification to CBSC Part 2.5, § R602.3(2). The proposed modification to place design and construction limits on staples as fasteners used in wood structural panel or diaphragms not substantiated with cyclic testing will help to maintain minimum quality of construction and performance standards of structures and is necessary based on local geological conditions.
42. Modification to CBSC Part 2.5, § R602.10.2.3. The proposed modification reduces the aspect ratio and is necessary based on local geological conditions.
43. Modification to CBSC Part 2.5, Table R602.10.3(3). The proposed modification to increase the length and limit the location where shear walls sheathed with lath, plaster or gypsum board are used will help to ensure that multi-level buildings will resist higher levels of seismic loads and is necessary based on local geological conditions.
44. Modification to CBSC Part 2.5, § R602.10.4. The proposed modification to place design and construction limits on stapled nail fasteners used in wood structural panel shear walls not substantiated with cyclic testing and requiring minimum sheathing thickness and nailing type and size will help to maintain minimum quality of construction and performance standards of structures and is necessary based on local geological conditions.
45. Modification to CBSC Part 2.5, § R602.10.5. The proposed modification ensures that the structural integrity with respect to “maximum shear wall aspect ratios” is maintained, and is necessary based on local geological conditions.
46. Modification to CBSC Part 2.5, § R602.10.6.1. The proposed modification requiring minimum sheathing thickness and nailing type and size is necessary based on local geological conditions.
47. Modification to CBSC Part 2.5, § R602.10.6.2. The proposed modification requiring minimum sheathing thickness and nailing type and size is necessary based on local geological conditions.

48. Modification to CBSC Part 2.5, § R602.10.6.4. The proposed modification requiring minimum sheathing thickness and nailing type and size is necessary based on local geological conditions.
49. Modification to CBSC Part 2.5, § R606.4.4. The proposed modification to not allow the use of unreinforced masonry is intended to prevent non-ductile failures and sudden structural collapses and is necessary based on local geological conditions.
50. Modification to CBSC Part 2.5, § R606.12.2.2.3. The proposed modification to increase reinforcements will ensure that the ductility requirements for buildings in high seismic region meet the intent of the code and limit potential property damages and is necessary based on local geological conditions.
51. Modification to CBSC Part 2.5, § R803.2.4. The proposed modification to require specific detailing at large roof openings is intended to address the poor performance of roof diaphragms with openings and limit or reduce property damages during a seismic event and is necessary based on local geological conditions.
52. Modification to CBSC Part 2.5, § R905.3.1. This amendment will reduce the failure of concrete and clay tile roofs during a significant earthquake and is necessary based on local geological conditions.

Section 7. The City Council finds that the following table attached hereto as Exhibit A, and incorporated herein by this reference, sets forth the sections of the 2019 California Building Standards Code provisions that have been modified by the City of Burbank pursuant to Ordinance No. 19-3,922, and the associated local climatic, geological, and topographical conditions described in Section 6, above, that support such modifications.

Section 8. The City Clerk shall certify the adoption of this Resolution and the Building Official shall forward a certified copy of same and Ordinance No. 19-3,922 to the California Building Standards Commission.

PASSED and ADOPTED this 29th day of October, 2019.


Emily Gabel-Luddy
Mayor

Attest:


Zizette Mullins, MMC, City Clerk

Approved as to Form:
Office of the City Attorney

By: 
Lisa Kurihara,
Senior Assistant City Attorney

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) ss.
CITY OF BURBANK)

I, Zizette Mullins, MMC, City Clerk of the City of Burbank, do hereby certify that the foregoing Resolution was duly and regularly passed and adopted by a vote of the Council of the City of Burbank at its regular meeting held on the 29th day of October, 2019, by the following vote:

AYES: Frutos, Murphy, Springer, Talamantes and Gabel-Luddy.

NOES: None.

ABSENT: None.


Zizette Mullins, MMC, City Clerk

Summary of Local Amendments in the Burbank Municipal Code (“BMC”) to 2019 California Building Standards Code (“CBSC”)

No.	Amended CBSC Section	Burbank Municipal Code Section	Burbank Municipal Code Section Title	Amendment Summary	Justification from Section 6 of this Resolution	Local Condition
Building Administrative Amendments of the Burbank Municipal Code						
1	CA Building Code Chapter 1	Article 9-1-1 Division 1	CA Administrative Standards	Administrative Standards of the Burbank Municipal Code based on the Chapter 1 of the California Building Code.	N/A	Administrative
Amendments to the 2019 California Building Code (CBSC, Part 2)						
2	CA Building Code Chapter 4	9-1-2- 406.3.3.2	Porte Cochere	Higher fire resistive protection for Porte Cochere’s in Occupancy Group R-3 (Local Burbank Amendment)	Sections (a), (b)	Climatic

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3	701A	9-1-2-701A.1.1	Establishment of the Burbank Very High Fire Hazard Severity Zone	Establishment of the Burbank Very High Fire Hazard Severity Zone (Local Burbank Amendment)	Sections (a), (b)	Climatic
4	705A.2	9-1-2-705A.2.1	Class A Roof Covering	Class A Roof Covering (Local Burbank Amendment)	Sections (a), (b)	Climatic
5	705A.4	9-1-2-705A.4.1	Roof Gutters and Downspouts	Roof Gutters and Downspouts – Noncombustible Material (Local Burbank Amendment)	Sections (a), (b)	Climatic
6	706A.2	9-1-2-706A.2	Vents - Requirements	Vents - Requirements Gable Ends or Dormer Vents – Distance from Property Lines (Local Burbank Amendment)	Sections (a), (b)	Climatic

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7	1403	9-1-2- 1404.3.3	Wood Shake and Shingles Exterior Wall Covering	Wood Shake and Wood Shingle Exterior Wall Covering (Local Burbank Amendment)	Sections (a), (b)	Climatic
8	1403	9-1-2- 1403.3.3.4	Wood Shake and Shingles Prohibited	Wood Shake and Shingles Prohibited (Local Burbank Amendment)	Sections (a), (b)	Climatic
9	1403	9-1-2- 1403.3.3.4	Existing Wood Exterior Repairs	Existing Wood Exterior Repairs (Local Burbank Amendment)	Sections (a), (b)	Climatic
10	1405	9-1-2- 1405.1.1	Combustible Wall Coverings	Combustible Wall Coverings (Local Burbank Amendment)	Sections (a), (b)	Climatic
11	1501	9-1-2- 1501.1.1	Wood Roofs Prohibited	Wood Roofs Prohibited – VHFSHZ and Non- VHFSHZ (Local Burbank Amendment)	Sections (a), (b)	Climatic

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12	1507.3.1	9-1-2- 1507.3.1	Deck Requirements	Roof deck requirements – where concrete and clay tile is installed. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(1)	Geological
13	1507.8	9-1-2-1507.8	Wood Shingles	Wood Shingles (Local Burbank Amendment)	Sections (a), (b)	Climatic
14	1507.9	9-1-2-1507.9	Wood Shakes	Wood Shakes (Local Burbank Amendment)	Sections (a), (b)	Climatic
15	1511.3.1(3)	9-1-2-1511.3	Recovering Versus Replacement	Recovering Versus Replacement (Local Burbank Amendment)	Sections (a), (b)	Climatic
16	1511.3.1.1	9-1-2- 1511.3.1.1	Roof Recover	Roof Recover (Local Burbank Amendment)	Sections (a), (b)	Climatic
17	1511.4	9-1-2-1511.4	Roof Recovering	Roof Recovering (Local Burbank Amendment)	Sections (a), (b)	Climatic
18	1612.3	9-1-2-1612.3	Establishment of Flood Hazard Areas	Establishment of Flood Hazard Areas (Local Burbank Amendment)	Section (f)	Topographic

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19	CA Building Code Chapter 16	9-1-2-1613.4 9-1-2-1613.4.1 9-1-2-1613.4.2 9-1-2-1613.4.3	Amendments to ASCE 7 Values for Vertical Combinations; Modify ASCE 7 for Wood Diaphragms; Modify ASCE 7 for Structural Separation	Limit the height of light frame construction with vertical irregularities to two stories for one-and-two family dwellings. Provide more stringent requirements for the structural elements for Wood Roof Diaphragms where they support concrete or masonry walls and to limit the allowable shear loads. Building separations - omit the importance factor from Equation 12.12-1 to ensure that a safe seismic separation distance is provided. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(2), (g)(3), (g)(4)	Geological
20	CA Building Code Chapter 16	9-1-2-1613.5	Seismic Design Provisions for Hillside Buildings	Analysis and Design of Special Provisions for Hillside Buildings (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (f), (g)(5)	Geological and Topographical

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21	CA Building Code Chapter 16	9-1-2-1613.6	Suspended Ceilings	Amendment to provide structural safety standards for Suspended Ceilings where none currently exist in the California Building Code. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(6)	Geological
22	1704.6.2	9-1-2-1704.6.2	Structural Observations for Seismic Resistance	Provide for more stringent requirements for seismic structural observation including lateral design with an exception for simple structures (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(7)	Geological
23	1705.3	9-1-2-1705.3	Concrete Construction	Requirements for special inspection for concrete construction with exceptions. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(8)	Geological

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24	1705.12	9-1-2-1705.12	Special Inspection for Seismic Resistance	Provide more stringent requirement by requiring special inspection for seismic resistance for irregular structures of one-and-two family dwellings. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(9)	Geological
25	1807.1.4	9-1-2-1807.1.4	Permanent Wood Foundation Systems	Restrict permanent wood foundations in Seismic Design Categories D, E, F due to unknown performance in a seismic event and its ability to withstand surrounding elements. (Amendment from the collaborative LA County group)	Sections (a), (b), (c), (d), (e), (g)(10)	Climatic and Geological
26	1807.1.6	9-1-2-1807.1.6	Prescriptive Design of Concrete and Masonry Foundation Walls	Restrict the prescriptive design of foundation walls in Seismic Design Categories D, E, F. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(11)	Geological

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27	1807.2	9-1-2-1807.2	Retaining Walls	Higher requirements for wood retaining walls in Seismic Design Categories D, E, F. (Amendment from the collaborative LA County group)	Sections (a), (b), (c), (d), (e), (g)(12)	Climatic and Geological
28	1809.3	9-1-2-1809.3	Stepped Footings	Foundations – Stepped Footings. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(13)	Geological
29	1809.7	9-1-2-1809.7	Prescriptive Footings for Light-Frame Construction	Provide limitations for the prescriptive design method of footings for light-frame construction in Seismic Design Categories D, E, F. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(14)	Geological

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30	1809.12	9-1-2-1809.12	Timber Footings	<p>Restrict allowance of timber footings in Seismic Design Categories D, E, F due to unknown performance in a seismic event and its ability to withstand surrounding elements.</p> <p>(Amendment from the collaborative LA County group)</p>	Sections (a), (b), (c), (d), (e), (g)(15)	Climatic and Geological
31	1810.3.2.4	9-1-2- 1810.3.2.4	Timber	<p>Restrict allowance of timber deep foundation elements in Seismic Design Category D, E, or F.</p> <p>(Amendment from the collaborative LA County group)</p>	Sections (a), (b), (c), (d), (e), (g)(16)	Climatic and Geological
32	1905.1.7	9-1-2-1905.1.7	ACI 318, Section 14.1.4	<p>Restrict uses of plain structural concrete and require minimum reinforcement to address poor performance of plain concrete.</p> <p>(Amendment from the collaborative LA County group)</p>	Sections (c), (d), (e), (g)(17)	Geological

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33	1905.1	9-1-2-1905.1	ACI 318, Section 18.7.5	Provide for critical design criteria of concrete columns and concrete shear walls. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(18)	Geological
34	2304.10.1	9-1-2- 2304.10.1	Fastener Requirements	Restrict use of staples to resist or transfer seismic forces in Seismic Design Categories D, E, F. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(19)	Geological
35	2304.10.2	9-1-2- 2304.10.2.1	Quality of Nails	Quality of nails in wood structural panel shear walls in Seismic Design Categories D, E, F. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(20)	Geological
36	2304.12.5	9-1-2- 2304.12.5	Wood Used in Retaining Walls and Cribs	Restrict use of wood in retaining and crib walls in Seismic Design Categories D, E, F (Amendment from the collaborative LA County group)	Sections (a), (b), (c), (d), (e), (g)(21)	Climatic and Geological

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37	2305	9-1-2-2305.4	Hold-Down Connectors	Specific component and install methods for Seismic Design Categories D, E, F. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(22)	Geological
38	2306.2	9-1-2-2306.2	Wood-Frame Diaphragms	Standards requirement for wood-frame diaphragms with restrictions for Seismic Design Categories D, E, F. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(23)	Geological
39	2306.3	9-1-2-2306.3	Wood-Frame Shear Walls	Standards requirement for wood-frame shear walls with restrictions for Seismic Design Categories D, E, F. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(24)	Geological
40	2307	9-1-2-2307.2	Wood-Frame Shear Walls	More stringent requirements for braced wall line support. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(25)	Geological

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41	2308.6 2308.6.5.1; 2308.6.5.2	9-1-2-2308.6; 9-1-2- 2308.6.5.1 9-1-2- 2308.6.5.2	Alternative Bracing	Alternative bracing standards for panels for various methods and increased requirements for panel thickness and nailing. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(26)	Geological
42	2308.6.8.1	9-1-2- 2308.6.8.1	Foundation Requirements	Interior braced wall line supported by continuous foundation with exterior braced wall panels in same vertical plane in Seismic Design Categories D and E. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(27)	Geological
43	2308.6.9	9-1-2-2308.6.9	Attachment of Sheathing	More stringent requirements for sheathing attachment in Seismic Design Categories D, E, F. Staples fasteners are prohibited. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(28)	Geological

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44	CA Building Code Chapter 31	9-1-2-3114	Intermodal Shipping Containers	Intermodal Shipping Containers use as occupied structures and structural requirements. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(29)	Climatic and Geological
Amendments to the 2019 California Residential Code (CBSC Part 2.5)						
45	R301.1.3.2	9-1-2R- R301.1.3.2	Woodframe Structures	Requirement that construction drawings for woodframe structures more than one-story shall be stamped by a licensed architect or engineer. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(30)	Geological
46	R301.1	9-1-2R- R301.1.4	Requirements for Slopes Steeper than One-in-Three	Requirement that slopes steeper than 33- 1/3 percent are to comply with the structural requirements of Chapter 16 of the California Building Code. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (f), (g)(31)	Topographical and Geological

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47	R301.2	9-1-2R- R301.2	Climatic & Geographic Design Criteria	Establishment of local Climatic & Geological criteria on Table R301.2(2) (Local Burbank Amendment)	Sections (a), (b), (c), (d), (e)	Climatic and Geological
48	R301.2.2.6 Items 1, 3, 5	9-1-2R- R301.2.2.6	Irregular Buildings	Provide more stringent requirements for irregular structures by not allowing exceptions in Chapter 3 of the California Residential Code (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(32)	Geological
49	R301.2	9-1-2R- R301.2.2.11	Anchorage of Mechanical, Electrical, or Plumbing Components and Equipment	Anchorage of mechanical, electrical, and plumbing components and equipment. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(33)	Geological
50	R337.6.2	9-1-2R- R337.6.2	Vent Requirements	Gable end or dormer vent locations away from property lines for properties in the Wildland Urban Interface areas. (Local Burbank Amendment)	Sections (a), (b)	Climatic

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51	R401.1	9-1-2R- R401.1	Foundations - Application	Restrict use of wood foundations in Seismic Design Categories D ₀ , D ₁ , D ₂ . (Amendment from the collaborative LA County group)	Sections (a), (b), (c), (d), (e), (g)(34)	Climatic and Geological
52	R403.1.2, R403.1.3.6, R403.1.5	9-1-2R- R403.1.2, R403.1.3.6, R403.1.5	Continuous Footing in Seismic Design Categories D ₀ , D ₁ , D ₂	Continuous footing requirements for stepped footings in Seismic Design Categories D ₀ , D ₁ , D ₂ . (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(35)	Geological
53	R404.2	9-1-2R- R404.2	Wood Foundation Walls	Restrict the use of wood foundations in Seismic Categories D ₀ , D ₁ , D ₂ . (Amendment from the collaborative LA County group)	Sections (a), (b), (c), (d), (e), (g)(36)	Climatic and Geological
54	R501.1	9-1-2R- R501.1	Floors - Application	Limit the weight and height of mechanical and plumbing equipment for attic floor systems to less than 400 pounds, and a maximum height of four feet. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(37)	Geological

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55	R503.2	9-1-2R- R503.2.4	Openings in Horizontal Diaphragms	Increased requirements for openings in horizontal diaphragms. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(38)	Geological
56	R602.3(1)	9-1-2R- R602.3(1)	Wood Wall Framing - Fastening Table and Footnotes	Fasteners for brace wall panels in Seismic Categories D ₀ , D ₁ , D ₂ . may not use staples. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(39)	Geological
57	R602.3.2	9-1-2R- R602.3.2	Single Top- Plate Splice Connection Details Table R602.3.2	Requirements for single-top plate Seismic Categories D ₀ , D ₁ , D ₂ . (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(40)	Geological
58	R602.3(2)	9-1-2R- R602.3(2)	Wood Wall Framing - Staples	Prohibition of staples in roof, floor, subfloor, and braced wall panels in Seismic Categories D ₀ , D ₁ , D ₂ . (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(41)	Geological

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59	R602.10.2.3	9-1-2R- R602.10.2.3	Minimum Number of Braced Wall Panels	Minimum length requirements for braced wall panels in Seismic Categories D ₀ , D ₁ , D ₂ . (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(42)	Geological
60	Table R602.10.3(3)	9-1-2R- R602.10.3(3)	Bracing Requirements Based on Seismic Design Category Table R602.10.3(3)	Provide more stringent requirements for various types of braced wall panels in Seismic Categories D ₀ , D ₁ , D ₂ . (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(43)	Geological
61	R602.10.4	9-1-2R- R602.10.4	Bracing Methods - Table R602.10.4	Bracing methods for various Minimum number of braced wall panels based on length in Seismic Design Category D. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(44)	Geological

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62	R602.10.5	9-1-2R- R602.10.5	Minimum Length of Braced Wall Panel - Table R602.10.5	Minimum length of braced wall panels based on wall height for Method PFH and CS-PF. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(45)	Geological
63	R602.10.6.1	9-1-2R- R602.10.6.1	Method ABW – Alternate Braced Wall Panel - Figure R602.10.6.1	Minimum top plate, structural panel, foundation and nail type for Alternate Braced Wall Panel. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(46)	Geological
64	R602.10.6.2	9-1-2R- R602.10.6.2	Method PFH – Portal Frame with Hold- Downs at Detached Garage Door Openings - Figure R602.10.6.2	Provide more stringent requirements for portal frame with hold-downs at detached garage door openings. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(47)	Geological

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65	R602.10.6.4	9-1-2R- R602.10.6.4	Method CS-PF – Continuously Sheathed Portal Frame Panel Connection - Figure R602.10.6.4	Require more stringent requirements for Method CS-PF by increasing minimum size of panel sheathing and anchoring methods. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(48)	Geological
66	R606.4.4	9-1-2R- R606.4.4	Parapet Walls	Restrict the allowance of unreinforced parapets in Seismic Categories D ₀ , D ₁ , D ₂ . (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(49)	Geological
67	R606.12.2.2.3	9-1-2R- R606.12.2.2.3	Reinforcement Requirements for Masonry Elements	Greater protective requirements for horizontal and vertical reinforcement for masonry elements in high seismicity areas. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(50)	Geological

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68	R703.6	9-1-2R- R703.6	Wood Shakes and Shingles	Prohibition of Wood Shakes and Shingles in the Very High Fire Hazard Severity Zone and Requirements for Repair of Existing Wood Siding (Local Burbank Amendment)	Sections (a), (b)	Climatic
69	R803.2	9-1-2R- R803.2.4	Openings in Horizontal Diaphragms	Roof openings in horizontal diaphragms to comply with added Section R803.2.4 to limit the maximum roof opening and shear transfer. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(51)	Geological
70	R806.1	9-1-2R- R806.1.1	Gable Ends or Dormer Attic Vents	Gable Ends or Dormer Vents Located at Least Ten Feet from Property Lines (Local Burbank Amendment)	Sections (a), (b)	Climatic
71	R806.5	9-1-2R- R806.5	Unvented Attic Assemblies	Prohibit Wood Roof Covering for Unvented Attic and Unvented Rafter Assemblies on New or Existing Structures (Local Burbank Amendment)	Sections (a), (b)	Climatic

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72	R902.2	9-1-2R- R902.2	Fire-Retardant Treated Shingles and Shakes	Prohibit Wood Roof Covering on New or Existing Structures (Local Burbank Amendment)	Sections (a), (b)	Climatic
73	R905.3.1	9-1-2R- R905.3.1	Deck Requirements	Roof deck requirements – where concrete and clay tile is installed. (Amendment from the collaborative LA County group)	Sections (c), (d), (e), (g)(52)	Geological
74	R905.7	9-1-2R- R905.7	Wood Shingles	Prohibit Wood Roof Covering on New or Existing Structures (Local Burbank Amendment)	Sections (a), (b)	Climatic
75	R905.8	9-1-2R- R905.8	Wood Shakes	Prohibit Wood Roof Covering on New or Existing Structures (Local Burbank Amendment)	Sections (a), (b)	Climatic

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76	R908.4	9-1-2R- R908.4	Roof Recovering	Prohibit Wood Roof Covering for New or Existing Structures No Roof Covering over Existing Wood Shake or Wood Shingles (Local Burbank Amendment)	Sections (a), (b)	Climatic
Amendments to the 2019 California Plumbing Code (CBSC Part 5)						
77	407.2.1	9-1-5-407.2.1	Restroom Aerators	Provide Aerators in Non-Residential Restroom Faucets that Limit Flow Rate to 1.0 Gallons Per Minute (Local Burbank Amendment)	Sections (a), (b)	Climatic

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Amendments to the 2019 California Fire Code (CBSC Part 9)						
78	504	9-1-9-504.3.1 9-1-9-504.3.1.2 9-1-9-504.3.1.3 9-1-9-504.3.1.4 9-1-9-504.5	Access to Building Openings and Roofs – High-Rise and Mid-Rise Buildings	Requirement for Accessible Roadways, Stair Shaft Doors, Stair Shaft Locks, Helicopter Landing Facility, Elevator Requirements. (Local Burbank Amendment)		Climatic and Topographical
79	505	9-1-9-505.1.1 9-1-9-505.1.2 9-1-9-505.1.3 9-1-9-506.1(a)	Premises Identification	Requirements for Residential and Commercial Building Identification. (Local Burbank Amendment)	Sections (a), (b), (f)	Climatic and Topographical
80	603	9-1-9-603.6.5.1	Fuel-Fired Appliances	Requirements for Spark Arrestors in Chimneys. (Local Burbank Amendment)	Sections (a), (b), (f)	Climatic and Topographical

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81	903	<p>9-1-9-903</p> <p>9-1-9-903.2(a)</p> <p>9-1-9-903.2(b)</p> <p>9-1-9-903.2.8.1</p> <p>9-1-9-903.2.8.2</p> <p>9-1-9-903.4.2.1</p>	Automatic Sprinkler Systems	<p>Requirements for Automatic Fire Sprinkler Systems, Special Provisions, Group R Occupancies, Manufactured Homes, Sprinkler System Monitoring and Alarms.</p> <p>(Local Burbank Amendment)</p>	Sections (a), (b), (f)	Climatic and Topographical
82	905	9-1-9-905.3(a)	Standpipe Systems	<p>Mid-Rise and High-Rise Combination Standpipes.</p> <p>(Local Burbank Amendment)</p>	Sections (a), (b), (f)	Climatic and Topographical
83	906	9-1-9-906.7.1	Portable Fire Extinguishers	<p>Requirements for Portable Fire Extinguishers Access.</p> <p>(Local Burbank Amendment)</p>	Sections (a), (b), (f)	Climatic and Topographical
84	907	<p>9-1-9-907.1(a)</p> <p>9-1-9-907.2.1</p> <p>9-1-9-907.2.9.2(a)</p>	Fire Alarm and Detection Systems	<p>Requirements for Various Occupancies for Fire Alarm and Detection Systems.</p> <p>(Local Burbank Amendment)</p>	Sections (a), (b), (f)	Climatic and Topographical

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85	912	9-1-9-912.4.1	Fire Department Connections	Requirements for Post Indicator Values. (Local Burbank Amendment)	Sections (a), (b), (f)	Climatic and Topographical
86	2007	9-1-9-2007.9 through 9-1-9-2007.25	Helistops and Heliports	Requirements for Helistops and Heliports. (Local Burbank Amendment)	Sections (a), (b), (f)	Climatic and Topographical
87	4804	9-1-2- 4804.2.1	Studio and Stage Exit Parameters	Requirements for Exiting for Studio and Stage Exit Dimensions and Markings. (Local Burbank Amendment)	Sections (a), (b), (f)	Climatic and Topographical
88	5001	9-1-9- 5001.5.1(a)	Hazardous Materials	Program for Certified Unified Program Agency (CUPA) and Burbank as a Participating Agency with the County of Los Angeles. (Local Burbank Amendment)	Sections (a), (b), (f)	Climatic and Topographical
89	5003	9-1-9- 5003.3.1.5(a) 9-1-9- 5003.3.1.45(b) 9-1-9- 5003.4.1	Hazardous Materials	Requirements for Hazardous Materials Release Response Plan, Expenses, Material Safety Data Sheets. (Local Burbank Amendment)	Sections (a), (b), (f)	Climatic and Topographical

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90	5704	9-1-9- 5704.2.8.15(a) 9-1-9- 5704.2.8.1(b)	Flammable and Combustible Liquids	Requirements for Access to Material Vault and Entry. (Local Burbank Amendment)	Sections (a), (b), (f)	Climatic and Topographical
Amendments to Seismic Retrofit Regulations						
91	N/A	9-1-16	Seismic Retrofit Regulations	Existing City of Burbank Amendments to Seismic Retrofit Regulations and Standards Carried Forward based on Local Geological Conditions (Local Burbank Amendments)	Sections (c), (d), (e)	Geological