Local Code Adoption of the Latest Edition of the California Building Standards Code

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OVERVIEW

ACCESS TO INFORMATION

• Copy of the proposed amendments, reasons for the changes, and the findings can be found on the Department of Development Services’ website at:

http://www.longbeach.gov/lbds/building/plan-review-services-dev/code/
OVERVIEW

LONG BEACH MUNICIPAL CODE (LBMC)

• LBMC Title 14 Streets and Sidewalks
• LBMC Title 18 Long Beach Building Standards Code
• Amendments are proposed by the Department of Public Works, Fire Prevention Bureau, and Building and Safety Bureau
• Total of 144 proposed code amendments
• Administrative change to reference the 2019 Edition
• Continuation of amendments previously adopted
PROPOSED AMENDMENTS

SECTION 14.04.015  WORK WITHIN OR ON RIGHT-OF-WAY

• Administrative change to reflect latest City standards and processes

(see attachment document pg. 6)
PROPOSED AMENDMENTS

CHAPTER 14.08 EXCAVATIONS, STREET IMPROVEMENTS AND TEMPORARY OCCUPANCY IN THE RIGHTS-OF-WAY

• Administrative change to update references
• Editorial change that has no regulatory effect

(see attachment document pg. 9)
PROPOSED AMENDMENTS

SECTION 18.40.360 AMEND CBC 903.1 - GENERAL

• Technical change to provide clarity for the design and installation of fire sprinkler requirements
• Duplicate requirements in Section 18.48.430

(see attachment document pg. 20)
PROPOSED AMENDMENTS

SECTION 18.40.370 AMEND CBC 903.2 - WHERE REQUIRED

• Technical change to require the installation of fire sprinkler systems in new nonresidential buildings that meet certain conditions

• Duplicate requirements in Section 18.48.440

(see attachment document pg. 21)
PROPOSED AMENDMENTS

SECTION 18.40.380  AMEND CBC 901.2 - FIRE PROTECTION SYSTEM

• Technical change to prohibit partial fire protection system in buildings unless it meet certain conditions
• Duplicate requirements in Section 18.48.410

(see attachment document pg. 22)
PROPOSED AMENDMENTS

SECTION 18.40.390 ADD CBC 901.8

• Administrative change to update section reference
• Technical change to direct user to a specific section that address protection of fire protection system from potential vehicular damage
• Duplicate requirements in Section 18.48.420

(see attachment document pg. 23)
PROPOSED AMENDMENTS

SECTION 18.40.400 ADD CBC 903.3.5.3 - HYDRAULIC CALCULATIONS MARGIN

• Technical change to require a 10% factor of safety for hydraulic calculation
• Duplicate requirements in Section 18.48.460

(see attachment document pg. 24)
PROPOSED AMENDMENTS

SECTION 18.40.410  ADD CBC 903.3.9.1 - CONTROL VALVE LOCATION

• Administrative change to reference the correct code
• Technical change to clarify location of control valve to ensure consistency in placement
• Duplicate requirements in Section 18.48.470

(see attachment document pg. 25)
PROPOSED AMENDMENTS

SECTION 18.40.420 ADD CBC 903.4.1.1 - SIGNAL REPORTING

• Administrative change to reference the correct code
• Technical change to clarify fire alarm signal reporting
• Duplicate requirements in Section 18.48.480

(see attachment document pg. 26)
PROPOSED AMENDMENTS

SECTION 18.40.430  ADD CBC 903.4.4 - REMOTE ANNUNCIATOR

• Technical change to clarify location of remote annunciator for sprinkler monitoring system
• Duplicate requirements in Section 18.48.510

(see attachment document pg. 27)
PROPOSED AMENDMENTS

SECTION 18.40.440 AMEND CBC 903.4.2 - ALARMS

• Technical change to require exterior alarm devices
• Duplicate requirements in Section 18.48.500

(see attachment document pg. 28)
PROPOSED AMENDMENTS

SECTION 18.40.450 ADD CBC 905.1.1 - DESIGN

• Technical change to specify a higher minimum pressure requirement of 125 psi at the discharge of all standby outlets
• Duplicate requirements in Section 18.48.520

(see attachment document pg. 29)
PROPOSED AMENDMENTS

SECTION 18.40.460 AMEND CBC 905.4 SUBSECTION 1 - LOCATION OF CLASS 1 STANDPIPE HOSE CONNECTIONS

• Administrative change to update section reference
• Technical change to clarify location of hose valves in stairways
• Duplicate requirements in Section 18.48.530

(see attachment document pg. 30)
PROPOSED AMENDMENTS

SECTION 18.40.470  ADD CBC 907.1.6 TO 907.1.10 - GENERAL

• Technical change to add requirements on building evacuation and fire alarm systems
• Duplicate requirements in Section 18.48.540

(see attachment document pg. 31)
PROPOSED AMENDMENTS

SECTION 18.40.480 AMEND CBC 907.3.1 AND EXCEPTION 2 - DUCT SMOKE DETECTORS

• Technical change to clarify duct smoke detector requirements
• Duplicate requirements in Sections 18.48.550 and 18.48.560

(see attachment document pg. 33)
PROPOSED AMENDMENTS

SECTION 18.40.490 ADD CBC 907.9 - FIRE ALARM UPGRADE

• Technical change to require existing fire alarm systems to be upgraded under certain conditions
• Duplicate requirements in Section 18.48.570

(see attachment document pg. 34)
PROPOSED AMENDMENTS

SECTION 18.40.500 ADD CBC 907.10 - SMOKE REMOVAL SYSTEM

- Administrative change to update section reference
- Technical change to clarify requirement for smoke removal system
- Duplicate requirements in Section 18.48.570

(see attachment document pg. 35)
PROPOSED AMENDMENTS

SECTION 18.40.510 AMEND CBC 910.3 - SMOKE AND HEAT VENTS

• Technical change to expand references for smoke and heat vent requirements
• Duplicate requirements in Section 18.48.580

(see attachment document pg. 37)
PROPOSED AMENDMENTS

SECTION 18.40.520  ADD CBC 910.3.4 - SPRINKLER BUILDINGS

• Technical change to clarify temperature ratings of smoke and heat vents in sprinklered buildings
• Duplicate requirements in Section 18.48.590

(see attachment document pg. 38)
PROPOSED AMENDMENTS

SECTION 18.40.530 ADD CBC 912.1.1 - DESIGN OF FIRE DEPT CONNECTION

• Technical change to design requirements for fire department connection
• Duplicate requirements in Section 18.48.600

(see attachment document pg. 39)
PROPOSED AMENDMENTS

SECTION 18.40.540 AMEND CBC 912.2.1 - VISIBLE LOCATION

• Administrative change to correct the code
• Technical change to clarify location of fire department connections
• Duplicate requirements in Section 18.48.610

(see attachment document pg. 40)
PROPOSED AMENDMENTS

SECTION 18.40.550 AMEND CBC 912.4 - ACCESS

• Technical change to clarify requirements for pathway providing access to fire department connections
• Duplicate requirements in Section 18.48.620

(see attachment document pg. 41)
PROPOSED AMENDMENTS

SECTION 18.40.560 ADD CBC 1003.8 - PROTECTION OF MEANS OF EGRESS

• Technical change to clarify protection requirement of exit ways from vehicular damage
• Duplicate requirements in Section 18.48.630

(see attachment document pg. 42)
PROPOSED AMENDMENTS

SECTION 18.40.570 ADD CBC 1011.12.3 AND 1011.12.4 - STAIRWAY TO ROOF

• Technical change to clarify access to roof hatch or trap door
• Technical change to designate stairway to roof as “Stairway 1”
• Duplicate requirements in Section 18.48.640

(see attachment document pg. 43)
PROPOSED AMENDMENTS

SECTION 18.48.010 ADOPTION OF FIRE CODE

• Administrative change to adopt the latest Fire Code
• Administrative change to reflect chapters and/or sections that are included or deleted

(see attachment document pg. 45)
SECTION 18.48.020 APPLICATION

• Administrative change to delete this section

(see attachment document pg. 45)
PROPOSED AMENDMENTS

SECTION 18.48.030 CFC 101.1 - TITLE

• Administrative change to clarify that this code is the Fire Code of the City of Long Beach

(see attachment document pg. 46)
PROPOSED AMENDMENTS

SECTION 18.48.040  CFC 101.2 - SCOPE

• Technical change to address fire hazard for vessels in ocean or other bodies of water

(see attachment document pg. 47)
PROPOSED AMENDMENTS

SECTION 18.48.050  CFC 101.2 - SCOPE

• Administrative change to add supplemental rules to carry out the intent of the Fire Code

(see attachment document pg. 48)
PROPOSED AMENDMENTS

SECTION 18.48.060  CFC 103.2 - APPOINTMENT

• Administrative change to clarify that the Fire Chief has the authority to designate the Fire Code Official

(see attachment document pg. 49)
• Administrative change to grant the Fire Code Official the authority to inspect tankers and vessels located in the ocean or other bodies of water

(see attachment document pg. 50)
PROPOSED AMENDMENTS

SECTION 18.48.080  CFC 104.6 - OFFICIAL RECORDS

• Administrative change to clarify the length of time required to retain records

(see attachment document pg. 51)
PROPOSED AMENDMENTS

SECTION 18.48.090  CFC 105.1.2 - TYPE OF PERMITS

• Administrative change to clarify that there are 3 type of permits

(see attachment document pg. 52)
PROPOSED AMENDMENTS

SECTION 18.48.100  CFC 105.1.2 - TYPE OF PERMITS

• Administrative change to update section reference
• Technical change to expand the scope of work under an inspection permit

(see attachment document pg. 53)
PROPOSED AMENDMENTS

SECTION 18.48.110  CFC 105.2 - APPLICATION

• Administrative change to require applicants file a Declaration of Intended Use

(see attachment document pg. 54)
PROPOSED AMENDMENTS

SECTION 18.48.120  CFC 105.3.1 - EXPIRATION

• Administrative change to provide rules regarding expiration of permit

(see attachment document pg. 55)
PROPOSED AMENDMENTS

SECTION 18.48.130  CFC 105.6 - REQUIRED OPERATIONAL PERMITS

• Administrative change to update section reference
• Administrative change to expand operational permits required

(see attachment document pg. 56)
PROPOSED AMENDMENTS

SECTION 18.48.140  CFC 105.6 - REQUIRED OPERATIONAL PERMITS

• Administrative change to update section references
• Technical change to expand operational permits required

(see attachment document pg. 57)
PROPOSED AMENDMENTS

SECTION 18.48.150 CFC 105.6.16 - FLAMMABLE AND COMBUSTIBLE LIQUIDS

• Administrative change to update section references
• Technical change to limit quantity of combustible liquid allowed

(see attachment document pg. 59)
Proposed Amendments

Section 18.48.160 CFC 105.7 - Required Construction and Inspection Permits

• Administrative change to update section reference
• Administrative change to require additional inspection permits

(see attachment document pg. 60)
PROPOSED AMENDMENTS

SECTION 18.48.170 CFC 105.7 - REQUIRED CONSTRUCTION AND INSPECTION PERMITS

• Administrative change to update section references
• Administrative change to require additional inspection permits

(see attachment document pg. 61)
PROPOSED AMENDMENTS

SECTION 18.48.180 CFC 106 - FEES

• Administrative change to add language regarding permit fees

(see attachment document pg. 62)
PROPOSED AMENDMENTS

SECTION 18.48.190  CFC 108.2 - TESTING AND OPERATION

• Administrative change to require submission of electronic records

(see attachment document pg. 63)
PROPOSED AMENDMENTS

SECTION 18.48.200  CFC 108.6 - OVERCROWDING

• Technical change to require the verification of the total number of occupants within an assembly area

(see attachment document pg. 64)
PROPOSED AMENDMENTS

SECTION 18.48.210 CFC 110.4 - VIOLATION PENALTIES

• Administrative change to clarify rules regarding penalties for violations

(see attachment document pg. 65)
PROPOSED AMENDMENTS

SECTION 18.48.220  CFC 112.4 - FAILURE TO COMPLY

• Administrative change to specify that failure to comply is a misdemeanor offense

(see attachment document pg. 66)
PROPOSED AMENDMENTS

SECTION 18.48.230  CFC 114 - ADMINISTRATION

• Administrative change to clarify cost recovery and reporting requirement for responsible party

(see attachment document pg. 67)
PROPOSED AMENDMENTS

SECTION 18.48.240  CFC 202 - GENERAL DEFINITION

• Administrative change to add definitions

(see attachment document pg. 68)
PROPOSED AMENDMENTS

SECTION 18.48.250 CFC 307.1.1 - PROHIBIT OPEN BURNING

• Technical change to add criteria when open burning is prohibited

(see attachment document pg. 69)
PROPOSED AMENDMENTS

SECTION 18.48.260  CFC 307.4.2 - GENERAL

• Technical change to add conditions for recreational fire

(see attachment document pg. 70)
PROPOSED AMENDMENTS

SECTION 18.48.270  CFC 308.1.6.3 - SKY LANTERNS

• Technical change to prohibit the releasing of sky lanterns

(see attachment document pg. 71)
PROPOSED AMENDMENTS

SECTION 18.48.280  CFC 312.2 - POSTS

• Technical change to add requirements governing the installation of guard posts

(see attachment document pg. 72)
PROPOSED AMENDMENTS

SECTION 18.48.290  CFC 403.12 - SPECIAL REQUIREMENTS FOR PUBLIC SAFETY

• Technical change to establish condition for when a fire safety officer is required

(see attachment document pg. 73)
PROPOSED AMENDMENTS

SECTION 18.48.300 CFC 503.2.1 - DIMENSIONS

• Technical change to require 26 feet width and 15 feet vertical height clearance for fire apparatus access road

(see attachment document pg. 74)
PROPOSED AMENDMENTS

SECTION 18.48.310 CFC 503.2.3 - SURFACE

• Technical change to specify surface condition of fire apparatus access road

(see attachment document pg. 75)
• Technical change to require a minimum inside turning radius of 28 feet for fire apparatus access road

(see attachment document pg. 76)
PROPOSED AMENDMENTS

SECTION 18.48.330 CFC 505.1 - ADDRESS NUMBERS

• Administrative change to require minimum font size of address numbers

(see attachment document pg. 77)
PROPOSED AMENDMENTS

SECTION 18.48.340 CFC 505.1 - ADDRESS NUMBERS

• Technical change to clarify location and illumination requirement for address numbers

(see attachment document pg. 78)
PROPOSED AMENDMENTS

SECTION 18.48.350  CFC 506.1 - WHERE REQUIRED

• Technical change to require and identify location of a key box whenever a gate obstruct a fire access

(see attachment document pg. 79)
PROPOSED AMENDMENTS

SECTION 18.48.360  CFC 507.2.1 - PRIVATE FIRE SERVICE MAIN

• Technical change to require tracer wire when nonmetallic pipes and fittings are used on private fire service main

(see attachment document pg. 80)
PROPOSED AMENDMENTS

SECTION 18.48.370  CFC 507.5- FIRE HYDRANT SYSTEMS

• Technical change to require fire hydrant system to also comply with Appendix C or other approved method

(see attachment document pg. 81)
PROPOSED AMENDMENTS

SECTION 18.48.380  CFC 507.5 - FIRE HYDRANT SYSTEMS

• Technical change to add requirements for pavement markers and painting of private fire hydrant

(see attachment document pg. 82)
PROPOSED AMENDMENTS

SECTION 18.48.390 CFC 510.5.3 - ACCEPTANCE TEST PROCEDURES

• Technical change to require an independent 3rd to witness and record acceptance testing

(see attachment document pg. 83)
PROPOSED AMENDMENTS

SECTION 18.48.400  CFC 511 - FIRE SERVICE FEATURES

• Technical change to require an emergency helicopter landing facility for new high-rise buildings

(see attachment document pg. 84)
PROPOSED AMENDMENTS

SECTION 18.48.410 CFC 901.4.2 - NONREQUIRED FIRE PROTECTION SYSTEMS

- Technical change to require nonrequired fire protection system to be installed throughout a building unless a fire wall is provided

(see attachment document pg. 86)
PROPOSED AMENDMENTS

SECTION 18.48.420  CFC 901.4 - INSTALLATION

• Administrative change to clarify appropriate section in the Fire Code that provide protection of fire system and equipment

(see attachment document pg. 87)
PROPOSED AMENDMENTS

SECTION 18.48.430 CFC 903.1 - GENERAL

• Technical change to add requirements for the design and installation of fire sprinkler systems in existing buildings
• Technical change to prohibit partial fire sprinkler systems in buildings unless fire walls are provided

(see attachment document pg. 88)
PROPOSED AMENDMENTS

SECTION 18.48.440  CFC 903.2 - REQUIRED

• Technical change to require automatic fire sprinkler systems in new nonresidential buildings that are over 3,000 sf or requires 2 or more exits

(see attachment document pg. 89)
PROPOSED AMENDMENTS

SECTION 18.48.450  CFC 903.2.8 - GROUP R

• Technical change to require automatic fire sprinkler systems in new multifamily dwellings buildings and new one- and two-family dwellings over 4,000 sf or more than 2 stories in height

(see attachment document pg. 90)
PROPOSED AMENDMENTS

SECTION 18.48.460 CFC 903.3.5 - WATER SUPPLIES

• Technical change to include a 10% factor of safety in the hydraulic calculation for fire protection systems

(see attachment document pg. 91)
PROPOSED AMENDMENTS

SECTION 18.48.470 CFC 903.3.9 - FLOOR CONTROL VALVES

• Technical change to clarify location of control valve to ensure consistency in placement

(see attachment document pg. 92)
PROPOSED AMENDMENTS

SECTION 18.48.480  CFC 903.4.1 - MONITORING

• Technical change to clarify fire alarm signal reporting

(see attachment document pg. 93)
PROPOSED AMENDMENTS

SECTION 18.48.490  CFC 903.4.2 - ALARMS

• Technical change to clarify type and location of exterior alarm devices

(see attachment document pg. 94)
PROPOSED AMENDMENTS

SECTION 18.48.500 CFC 903.4 - SPRINKLER SYSTEM SUPERVISION AND ALARMS

• Technical change to require alarm and manual pull station inside of a building to be near the main entrance or approved location

(see attachment document pg. 95)
PROPOSED AMENDMENTS

SECTION 18.48.510  CFC 903.4 - SPRINKLER SYSTEM SUPERVISION AND ALARMS

• Technical change to clarify location of remote annunciator for sprinkler monitoring system

(see attachment document pg. 96)
PROPOSED AMENDMENTS

SECTION 18.48.520 CFC 905.1 - GENERAL

• Technical change to specify a higher minimum pressure requirement of 125 psi at the discharge of all standby outlets

(see attachment document pg. 97)
PROPOSED AMENDMENTS

SECTION 18.48.530 CFC 905.4 SUBSECTION 1-

• Administrative change to update section reference
• Technical change to clarify location of hose valves in stairways

(see attachment document pg. 98)
PROPOSED AMENDMENTS

SECTION 18.48.540  CFC 907.1 - GENERAL

• Technical change to add requirements on building evacuation and fire alarm systems

(see attachment document pg. 99)
PROPOSED AMENDMENTS

SECTION 18.48.550 CFC 907.3.1 - DUCT SMOKE DETECTORS

• Technical change to clarify duct smoke detector requirements

(see attachment document pg. 100)
PROPOSED AMENDMENTS

SECTION 18.48.560  CFC 907.3.1 EXCEPTION 2 - DUCT SMOKE DETECTORS

• Technical change to clarify duct smoke detector requirements

(see attachment document pg. 101)
PROPOSED AMENDMENTS

SECTION 18.48.570  CFC 907 - FIRE ALARM AND DETECTION SYSTEMS

• Administrative change to update section reference
• Technical change to clarify requirement for smoke removal system

(see attachment document pg. 102)
PROPOSED AMENDMENTS

SECTION 18.48.580 CFC 910.3 - SMOKE AND HEAT VENTS

• Technical change to expand code references for the design and installation of smoke and heat vents

(see attachment document pg. 104)
PROPOSED AMENDMENTS

SECTION 18.48.590  CFC 910.3 - SMOKE AND HEAT VENTS

• Technical change to specify a minimum temperature rating for the design of smoke and heat vents

(see attachment document pg. 105)
PROPOSED AMENDMENTS

SECTION 18.48.600  CFC 912.1 - INSTALLATION

• Technical change to design requirements for fire department connection

(see attachment document pg. 106)
PROPOSED AMENDMENTS

SECTION 18.48.610  CFC 912.2.1 - VISIBLE LOCATION

• Administrative change to correct the code
• Technical change to clarify location of fire department connections

(see attachment document pg. 107)
PROPOSED AMENDMENTS

SECTION 18.48.620  CFC 912.4 - ACCESS

• Technical change to clarify requirements for pathway providing access to fire department connections

(see attachment document pg. 108)
PROPOSED AMENDMENTS

SECTION 18.48.630  CFC 1003 - GENERAL MEANS OF EGRESS

• Technical change to clarify protection requirement of exit ways from vehicular damage

(see attachment document pg. 109)
PROPOSED AMENDMENTS

SECTION 18.48.640  CFC 1011.12 - STAIRWAY TO ROOF

• Technical change to clarify access to roof hatch or trap door
• Technical change to designate stairway to roof as “Stairway 1”

(see attachment document pg. 110)
PROPOSED AMENDMENTS

SECTION 18.48.650 CFC 2303.1.1 - PROTECTION OF DISPENSING DEVICES

• Technical change to specify how dispensing devices are to be protected from vehicle damage

(see attachment document pg. 111)
PROPOSED AMENDMENTS

SECTION 18.48.660 CFC 2306.7.9.2 - VAPOR PROCESSING SYSTEMS

• Technical change to expand code references for vapor processing systems

(see attachment document pg. 112)
PROPOSED AMENDMENTS

SECTION 18.48.670  CFC 2306.7.9.2 - VAPOR PROCESSING SYSTEM

• Technical change to add requirements installation and maintenance of vapor processing systems

(see attachment document pg. 113)
PROPOSED AMENDMENTS

SECTION 18.48.680  CFC CHAPTER 35 - WELDING AND OTHER HOT WORK

• Technical change to add 2 new sections for welding and cutting work aboard vessels

(see attachment document pg. 115)
PROPOSED AMENDMENTS

SECTION 18.48.690 CFC 3604 - FIRE PROTECTION EQUIPMENT

• Technical change to hose cabinet requirements

(see attachment document pg. 117)
PROPOSED AMENDMENTS

SECTION 18.48.700  CFC 4807.1 - FIRE SAFETY OFFICERS

• Technical change to give the Fire Code Official the authority to require a standby fire safety officer, when appropriate

(see attachment document pg. 118)
PROPOSED AMENDMENTS

SECTION 18.48.710 CFC 5601.1 - SCOPE

• Technical change to require minimum qualifications for those handling or firing explosives

(see attachment document pg. 119)
PROPOSED AMENDMENTS

SECTION 18.48.720  CFC 5601.2.4 - FINANCIAL RESPONSIBILITY

• Administrative change to update section references
• Administrative change to clarify insurance requirement of a permittee

(see attachment document pg. 120)
PROPOSED AMENDMENTS

SECTION 18.48.730  CFC 5608 - FIREWORKS DISPLAY

• Technical change to prohibit fireworks in the City, except under certain conditions
• Administrative change to clarify insurance requirement of a permittee

(see attachment document pg. 121)
PROPOSED AMENDMENTS

SECTION 18.48.740  CFC 5705.3.5.2 SUBSECTION 7 - GROUP R OCCUPANCIES

• Technical change to clarify the amount of flammable or combustible liquid in residential occupancies

(see attachment document pg. 122)
PROPOSED AMENDMENTS

SECTION 18.48.750 CFC 6101.3 - CONSTRUCTION DOCUMENTS

• Administrative change to require construction documents for LP gas container or system installation

(see attachment document pg. 123)
PROPOSED AMENDMENTS

SECTION 18.48.760  CFC 6101 - GENERAL

• Technical change to prohibit liquefied petroleum gas in buildings

(see attachment document pg. 124)
PROPOSED AMENDMENTS

SECTION 18.48.770  CFC 6103.2.2 - INDUSTRIAL VEHICLES AND FLOOR MAINTENANCE MACHINES

• Administrative change to correct section reference error
• Technical change to limit the number of portable containers storing liquefied petroleum gas

(see attachment document pg. 125)
PROPOSED AMENDMENTS

SECTION 18.48.780  CFC 6104.3 - CONTAINER LOCATION

• Technical change to specify how containers storing liquified petroleum gas are to be oriented

(see attachment document pg. 126)
PROPOSED AMENDMENTS

SECTION 18.48.790  CFC APPENDIX B TABLE B105.1 (1) - REQUIRED FIRE FLOW

• Technical change to expand conditions for when the fire flow requirement for one- and two-family dwellings, group R3 and R4 buildings and townhomes can be reduced

(see attachment document pg. 127)
• Technical change to expand conditions for when the fire flow requirement for one- and two-family dwellings, group R3 and R4 buildings and townhomes can be reduced

(see attachment document pg. 128)
PROPOSED AMENDMENTS

SECTION 18.41.010 ADOPTION OF RESIDENTIAL CODE

• Administrative change to adopt the latest Residential Code
• Administrative change to include or delete sections, chapters or appendices

(see attachment document pg. 129)
PROPOSED AMENDMENTS

SECTION 18.41.020 APPLICATION

• Administrative change to delete this section

(see attachment document pg. 130)
PROPOSED AMENDMENTS

SECTION 18.41.030 AMEND CRC R201.4 - TERMS NOT DEFINED

• Administrative change to specify which dictionary to be used for words or terms not defined in the code

(see attachment document pg. 131)
SECTION 18.41.040 AMEND CRC R301.1.3.2 - WOODFRAME STRUCTURES

• Technical change to require 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

(see attachment document pg. 132)
PROPOSED AMENDMENTS

SECTION 18.41.050 AMEND CRC TABLE R301.2(1) AND FOOTNOTE G - CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

• Administrative change to reflect the appropriate climatic and geographic design criteria for buildings and structures within the City

(see attachment document pg. 133)
PROPOSED AMENDMENTS

SECTION 18.41.060 AMEND CRC R301.2.2.6 - IRREGULAR BUILDINGS

• Administrative change to update section reference
• Technical change to reduce or eliminate potential structural problems that may result by limiting the type of irregular conditions in building’s structural design

(see attachment document pg. 135)
PROPOSED AMENDMENTS

SECTION 18.41.070 ADD CRC R301.2.2.11 - ANCHORAGE OF COMPONENTS AND EQUIPMENT

• Technical change to limit equipment weight before requiring the structural member supporting the weight to be designed by a registered design professional

(see attachment document pg. 136)
PROPOSED AMENDMENTS

SECTION 18.41.080 AMEND CRC R319.1 - ADDRESS IDENTIFICATION

• Administrative change to reference the City’s municipal code that regulates addresses and numbers for buildings and structures

(see attachment document pg. 138)
PROPOSED AMENDMENTS

SECTION 18.41.090 AMEND CRC R401.1 - APPLICATION, FOUNDATION

• Technical change to prohibit the use of wood foundation

(see attachment document pg. 139)
PROPOSED AMENDMENTS

SECTION 18.41.100 AMEND CRC R403.1.2 - CONTINUOUS FOOTING

• Technical change to require minimum reinforcement for stepped footings

(see attachment document pg. 141)
PROPOSED AMENDMENTS

SECTION 18.41.110 AMEND CRC R403.1.3.6 - ISOLATED CONCRETE FOOTINGS

• Technical change to require interior braced walls to be supported by continuous foundations

(see attachment document pg. 143)
PROPOSED AMENDMENTS

SECTION 18.41.120 AMEND CRC R403.1.5 - SLOPE

• Technical change to require minimum reinforcement for stepped footings

(see attachment document pg. 144)
PROPOSED AMENDMENTS

SECTION 18.41.130 AMEND CRC R404.2 - WOOD FOUNDATION WALLS

- Technical change to prohibit the use of wood foundation

(see attachment document pg. 146)
PROPOSED AMENDMENTS

SECTION 18.41.140 AMEND CRC R503.2.4 - OPENINGS IN HORIZONTAL DIAPHRAGMS

• Technical change to require blocking with metal ties around larger floor openings and limiting opening size

(see attachment document pg. 148)
PROPOSED AMENDMENTS

SECTION 18.41.150 AMEND CRC Table R602.3(1) - FASTENING SCHEDULE

• Technical change to limit the type of fasteners that can be used

(see attachment document pg. 150)
PROPOSED AMENDMENTS

SECTION 18.41.160  AMEND CRC R602.3.2 AND TABLE R602.3.2 - TOP PLATE

• Technical change to prohibit the use of single top plate splice connection

(see attachment document pg. 152)
PROPOSED AMENDMENTS

SECTION 18.41.170 AMEND CRC TABLE R602.3(2) - ALTERNATE ATTACHMENTS

• Technical change to limit the use staples in high seismic region

(see attachment document pg. 154)
PROPOSED AMENDMENTS

SECTION 18.41.180 AMEND CRC R602.10.2.3 - MINIMUM NUMBER OF BRACED WALL PANELS

• Technical change to require a minimum braced wall length in high seismic region

(see attachment document pg. 157)
PROPOSED AMENDMENTS

SECTION 18.41.190 AMEND CRC TABLE R602.10.3(3) - BRACING REQUIREMENTS

• Technical change to requires a minimum braced wall length and type in high seismic region

(see attachment document pg. 160)
PROPOSED AMENDMENTS

SECTION 18.41.200 AMEND CRC TABLE R602.10.4 - BRACING METHODS

• Technical change to require a minimum braced wall length and type in high seismic region

(see attachment document pg. 164)
PROPOSED AMENDMENTS

SECTION 18.41.210 AMEND CRC FIGURE R602.10.6.1—METHOD ABW: ALTERNATE BRACED WALL PANEL

• Technical change to specify minimum sheathing thickness, nail size and spacing

(see attachment document pg. 167)
PROPOSED AMENDMENTS

SECTION 18.41.220 AMEND CRC FIGURE R602.10.6.2 - METHOD PFH: PORTAL FRAME AT DETACHED GARAGE DOOR OPENINGS

- Technical change to specify minimum sheathing thickness, nail size and spacing

(see attachment document pg. 171)
PROPOSED AMENDMENTS

SECTION 18.41.230 AMEND CRC TABLE R602.10.5—MINIMUM LENGTH OF BRACED WALL PANELS

• Technical change to specify a higher shear wall aspect ratio

(see attachment document pg. 174)
PROPOSED AMENDMENTS

SECTION 18.41.240 AMEND CRC FIGURE R602.10.6.4—METHOD CS-PF: CONTINUOUSLY SHEATHED PORTAL FRAME

• Technical change to specify minimum sheathing thickness, nail size and spacing

(see attachment document pg. 177)
PROPOSED AMENDMENTS

SECTION 18.41.250 AMEND CRC R606.4.4 - PARAPET WALLS

• Technical change to limits the use of unreinforced masonry parapet walls

(see attachment document pg. 179)
PROPOSED AMENDMENTS

SECTION 18.41.260 AMEND CRC R606.12.2.2.3 - REINFORCEMENT REQUIREMENTS FOR MASONRY ELEMENTS

• Technical change to specify minimum reinforcements in masonry elements

(see attachment document pg. 180)
PROPOSED AMENDMENTS

SECTION 18.41.270 AMEND CRC R803.2.4 - OPENINGS IN HORIZONTAL DIAPHRAGMS

• Technical change to require blocking with metal ties around larger floor openings and limiting opening size

(see attachment document pg. 181)
PROPOSED AMENDMENTS

SECTION 18.41.280 AMEND CRC R1001.3.1 - VERTICAL REINFORCING

• Technical change to require minimum reinforcement of chimney and fireplace

(see attachment document pg. 182)
PROPOSED AMENDMENTS

SECTION 18.49.010 ADOPTION OF EXISTING BUILDING CODE

• Administrative change to adopt the latest existing building code
• Administrative change to include or delete sections, chapters and/or appendices

(see attachment document pg. 183)
PROPOSED AMENDMENTS

SECTION 18.49.030 AMEND CEBC

• Administrative change to specify which dictionary to be used for words or terms not defined in the code

(see attachment document pg. 184)
PROPOSED AMENDMENTS

SECTION 18.49.040 AMEND CEBC 506.1 - CHANGE OF OCCUPANCY, COMPLIANCE

• Administrative change to update section references
• Technical change 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

(see attachment document pg. 185)
PROPOSED AMENDMENTS

SECTION 18.49.050 AMEND CEBC 506.1.1 - CHANGE OF OCCUPANCY, CHANGE IN THE CHARACTER OF USE

• Administrative change to update section reference
• Technical change 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

(see attachment document pg. 186)
PROPOSED AMENDMENTS

SECTION 18.49.060 AMEND CEBC 506.4.3 - CHANGE OF OCCUPANCY, SEISMIC LOADS

• Administrative change to update section reference
• Technical change 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

(see attachment document pg. 187)
PROPOSED AMENDMENTS

SECTION 18.49.070 AMEND CEBC 1401.2 - MOVED STRUCTURES, CONFORMANCE

• Administrative change to update section reference
• Administrative change to reference Chapters 18.45 and 18.60 of the LBMC for housing code and procedures on moved buildings and structures within the City

(see attachment document pg. 189)
SECTION 18.50.010 ADOPTION OF HISTORICAL BUILDING CODE

• Administrative change to adopt the latest historical building code

(see attachment document pg. 190)
PROPOSED AMENDMENTS

SECTION 18.50.030 AMEND CHBC 8-201 - DEFINITIONS

• Administrative change to specify which dictionary to be used for words or terms not defined in the code

(see attachment document pg. 191)
PROPOSED AMENDMENTS

SECTION 18.50.040 AMEND CHBC

• Administrative change to reference to the latest edition of the CEBC and Long Beach Municipal Code for URM provisions

(see attachment document pg. 192)
PROPOSED AMENDMENTS

SECTION 18.50.050 AMEND CHBC 8-805.1 - EXISTING SOLID MASONRY

• Administrative change to reference to the latest edition of the CEBC

(see attachment document pg. 193)
PROPOSED AMENDMENTS

SECTION 18.50.060 AMEND CHBC 8-805.2.1 - SOLID BACKED STONE MASONRY

• Administrative change to reference to the latest edition of the CEBC

(see attachment document pg. 194)
PROPOSED AMENDMENTS

SECTION 18.50.070 AMEND CHBC 8-805.2.3 - TESTING OF STONE MASONRY

• Administrative change to reference to the latest edition of the CEBC

(see attachment document pg. 195)
NEXT STEPS

BOARD OF EXAMINERS, APPEALS AND CONDEMNATIONS (BEAC)

• At the conclusion of today’s presentation, request BEAC vote to support the proposed amendments and forward to the City Council for their consideration
NEXT STEPS

CITY ATTORNEY’S OFFICE (CAO)

• Submit draft code adoption package and staff report to the CAO shortly after the conclusion of today’s meeting
• The CAO will prepare the official ordinances and resolutions
• Pursue as an emergency ordinance, if needed
NEXT STEPS

CITY COUNCIL (CC)

• Schedule hearing with the CC for 1st reading on November 12, 2019

• Submit CC approved ordinances and resolution to the California Building Standards Commission for final approval during the month of December 2019

• Implement the adopted codes starting January 1, 2020
CONCLUSION

• Open for question/discussion from the BEAC members
• Open for question/discussion from the public members
Thank you

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