ORDINANCE NO. 2019-

1 AN ORDINANCE OF THE CITY OF CULVER CITY, STATE OF 2 CALIFORNIA, (1) REPEALING AND REPLACING CULVER CITY MUNICIPAL CODE SUBCHAPTER 15.02.100, OF CHAPTER 15.02, 3 **"ADOPTION** OF STATE CODES". AND ADOPTING BY 4 **REFERENCE THE 2019 CALIFORNIA BUILDING STANDARDS** ADMINISTRATIVE CODE, 2019 CALIFORNIA BUILDING CODE 5 WITH LOCAL AMENDMENTS, 2019 CALIFORNIA RESIDENTIAL BUILDING CODE WITH LOCAL AMENDMENTS, 2019 CALIFORNIA 6 ELECTRICAL CODE. 2019 CALIFORNIA MECHANICAL CODE 7 WITH LOCAL AMENDMENTS, 2019 CALIFORNIA PLUMBING CODE WITH LOCAL AMENDMENTS, 2019 CALIFORNIA ENERGY 8 CODE, 2019 CALIFORNIA HISTORICAL BUILDING CODE WITH LOCAL AMENDMENTS, 2019 EXISTING BUILDING CODE WITH 9 LOCAL AMENDMENTS, 2019 CALIFORNIA GREEN BUILDING 10 STANDARDS CODE WITH LOCAL AMENDMENTS, AND 2019 REFERENCE CALIFORNIA STANDARDS CODE: 2018 11 INTERNATIONAL PROPERTY MAINTENANCE CODE WITH LOCAL AMENDMENTS: 12 (2) REPEALING CULVER CITY MUNICIPAL CODE CHAPTER 15.14

CHARGING 13 (ELECTRIC VEHICLE STATIONS). AND SUBCHAPTERS 15.02.500 (SANDBLASTING), 15.02.800 (HILLSIDE 14 DRAINAGE), 15.02.1000 (SOLAR PHOTOVOLTAIC SYSTEMS), 15.02.1200 (EXPEDITED SOLAR SYSTEM PERMITTING), AND 15 15.02.1300 (HILLSIDE GRADING REQUIREMENTS AND PERMITTING) OF CHAPTER 15.02, AND INCORPORATING THE 16 CONTENTS INTO THE VARIOUS STATE CODES AS LOCAL 17 AMENDMENTS; AND

(3) REPEALING SUBCHAPTER 15.02.1100 (GREEN BUILDING PROGRAM AND REQUIREMENTS) OF CHAPTER 15.02, AND REPLACING IT WITH NEW SUBCHAPTER 15.02.1100 "LOCAL AMENDMENTS TO THE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, BUILDING CODE AND RESIDENTIAL BUILDING CODE, TO ESTABLISH REACH CODES STANDARDS."

The City Council of the City of Culver City, California, DOES HEREBY ORDAIN

as follows:

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SECTION 1: Based on repeal and replacement of the provisions set forth in Sections 2 through 15 of this Ordinance below, Culver City Municipal Code (CCMC)

Chapter 15.02 Table of Contents is hereby amended as follows (underline denotes

addition; strikethrough denotes deletion):

1		General Provisions
	15.02.005	Violations and penalties
2	15.02.010	Purposes of California Codes and this chapter
3	15.02.015	Administrative authority
4		Adoption of State Codes
5	15.02.100	California Building Standards Administrative Code
6		adopted by reference
7	15.02.105	California Building Code adopted by reference with local
8		amendments
9	15.02.110	Amendments; Chapter 33 of the California Building
10		Code. RESERVED.
11	15.02.115	California Residential Building Code adopted by
	45 00 400	reference with local amendments
12		California Electrical Code adopted by reference
13	15.02.125	California Mechanical Code adopted by reference with
14	45.00.400	local amendments
15	15.02.130	California Plumbing Code adopted by reference with
16	15 00 125	local amendments
17		California Energy Code adopted by reference California Historical Building Code adopted by reference
18	15.02.140	with local amendments
19	15.02.145	California Existing Building Code adopted by reference
20		with local amendments
	15.02.150	California Green Building Standards Code adopted by
21		reference with local amendments.
22	15.02.155	California Reference Standards Code adopted by
23		reference
24	<u>15.02.160</u>	International Property Maintenance Code adopted by
25		reference with local amendments.
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27		Sandblasting
28	15.02.500-	Purpose <u>RESERVED.</u>
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1	-15.02.505 Permit required; compliance with regulations
2	Antennas
3	15.02.600 Definitions
4	15.02.605 Compliance with regulations required
5	15.02.610 Noncommercial nonparabolic antennas
6	15.02.615 Development standards
7	15.02.620 Application for approval
8	15.02.625 Enforcement
9	Post-Disaster Recovery and Reconstruction
	15.02.700 Purpose
10	15.02.705 Applicability
11	15.02.710 Definitions
12	15.02.715 Placards
13	15.02.720 Criteria for demolition of dangerous buildings
14	15.02.725 Demolition of historic buildings or structures
15	15.02.730 Repair criteria for damaged buildings
16	15.02.735 Repair criteria for chimneys
17	15.02.740 Repair criteria for essential services facilities
	15.02.745 Repair criteria for historic buildings or structures
18	Hillside Drainage
19	15.02.800 Drainage system required in hillside area <u>RESERVED</u>
20	Administrative Assessment Cost Recovery
21	15.02.900 Administrative Assessment Cost Recovery Program
22	15.02.905 Imposition of assessments
23	15.02.910 Appeals
24	15.02.915 Remedies not exclusive
	Solar Photovoltaic Systems
25	15.02.1000 Definitions RESERVED.
26	15.02.1005 Requirement
27	- 15.02.1010 Exceptions
28	- 15.02.1015 Building permit fees and inspections
	-3-

1	Green Building Program and Requirements
2	- 15.02.1100 Establishment of Program and purpose
3	- 15.02.1105 Definitions
4	- 15.02.1110 Requirements
	- 15.02.1115 Urban tree requirements
5	- 15.02.1120 Green Zone Incentive Program
6	- 15.02.1125 Inspections and enforcement
7	Local Amendments to the Green Building Standards Code, Building Code and
8	Residential Building Code, to Establish Reach Codes Standards
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10	15.02.1100 Establishment and Purpose of Reach Code Standards
11	15.02.1105 Definitions
12	15.02.1110 Requirements
13	15.02.1115 (Reserved)
14	15.02.1120 Water permeable surfaces
15	15.02.1125 Gray water
16	10.02.1130 Landscape irrigation controls
17	15.02.1135 Light pollution reduction
18	15.02.1140 Enhanced construction waste reduction
19	15.02.1145 Defensible space in Wildland-Urban Interface (WUI) areas
20	15.02.1150 Fire-resistant roof assemblies in Wildland-Urban Interface
21	(WUI) Areas
22	15.02.1155 (Reserved)
23	15.02.1160 Shower facilities for bicycle parking
	15.02.1165 (Reserved)
24	15.02.1170 (Reserved)
25	<u>15.02.1175 (Reserved)</u>
26	15.02.1180 Inspections and enforcement
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1	Expedited Solar System Permitting
2	15.02.1200 Expedited Solar System Permitting RESERVED.
	Hillside Grading Requirements and Permitting
3	15.02.1300 Definitions RESERVED.
4	15.02.1305 Hillside "H" grading designation
5	- 15.02.1310 Grading requirements
6	- 15.02.1315 Thresholds for a grading permit
7	
8	- 15.02.1325 Slope stabilization
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10	- 15.02.1335 Geotechnical and geology report
-	- 15.02.1340 Drainage plan requirements
11	 15.02.1345 Post construction drainage reports and maintenance
12	covenant
13	- 15.02.1350 Landscape plan
14	— 15.02.1355 — Significant tree removal
15	- 15.02.1360 Grading procedures
16	- 15.02.1365 Submittal requirements
17	Appendix Hillside drainage diagrams
18	
	SECTION 2: That Subchapters 15.02.100 (Adoption of State Codes), 15.02.500
19	(Sandblasting), 15.02.800 (Hillside Drainage), 15.02.1000 (Solar Photovoltaic
20	Systems), 15.02.1200 (Expedited Solar System Permitting), and 15.02.1300 (Hillside
21	
22	Grading Requirements and Permitting) of Chapter 15.02, and Chapter 15.14 (Electric
23	Vehicle Charging Stations) of the CCMC are hereby repealed; and those certain
24	documents, copies of which are on file in the office of the City Clerk, being marked and
25	designated as the 2019 triennial edition of the California Code of Regulations, Title 24

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Residential Building Code, Electrical Code, Mechanical Code, Plumbing Code, Energy
Code, Historical Building Code, Existing Building Code, Green Building Standards
Code, and Reference Standards Code of the City of Culver City, in the State of
California, and each and all of the regulations, provisions, penalties, conditions and
terms of said Codes on file in the office of the City Clerk of Culver City are hereby
incorporated, referred to, adopted, and made a part hereof, as though fully set out in
this ordinance.

SECTION 3: CCMC Section 15.02.100, having been repealed in Section 2 above, is hereby replaced as follows:

§15.02.100 California Building Standards Administrative Code Adopted by Reference

A. The 2019 Edition of the California Building Standards Administrative
Code, published by the International Code Council, and all appendices, amendments,
supplements and errata thereto, is hereby adopted by reference and shall be applicable
to the City of Culver City, and referred to as the "Building Standards Administrative
Code of the City of Culver City."

B.One copy of the Building Standards Administrative Code of the City ofCulver City shall be kept on file in the Building Official's office for public inspection.

SECTION 4. CCMC Section 15.02.105 ("CCMC") having been repealed in
 Section 2 above, is hereby replaced as follows (NOTE: Amendments adding text to the
 Building Code are shown by <u>underline</u>; strikethrough denotes deletions):

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15.02.105 CALIFORNIA BUILDING CODE ADOPTED BY REFERENCE WITH LOCAL AMENDMENTS.

A. Adoption of California Building Code, 2019 Edition.

Pursuant to California Government Code Section 50022.2, the California Building Code, 2019 Edition, published at Title 24, Part 2, of the California Code of Regulations, including Appendices D,F,G,H, I, J, N and O ("CBC") is adopted by reference, subject to the amendments, additions and deletions set forth below.

One true copy of the CBC is on file in the office of the Building Official and is available for public inspection as required by law.

B. Amendments to the 2019 California Building Code.

Section 105.1 of Chapter 1 of the CBC is amended to read as follows: 105.1 Permit Required.

Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert, or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the building official and obtain the required permit. Parking lots shall not be paved, improved, striped, or restriped unless a separate permit for each parking lot has first been obtained from the building official. Exception: A separate permit shall not be required to pave, improve, stripe, or restripe a parking lot when such work is included in the scope of another project for which a building permit has been issued and when the design of such parking lot was included in the plan check review of such project.

Subsection 14 is added to § 105.2 of Chapter 1 of the CBC as follows: 105.2 Work exempt from permit.

Building:

14. Block wall and concrete wall not over 3 feet 6 inches high.

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1	Subsection105.3.1.1 is added to Section 105.3.1 of Chapter 1 of the CBC as
2	follows:
3	105.3.1.1 Electric Vehicle Charging Stations Permitting
4	105.3.1.1.1 Purpose and Intent. The purpose of this Chapter is to promote and
5	encourage the use of electric vehicles by creating an expedited, streamlined permitting
6	process for electric vehicle charging stations while promoting public health, safety and
7	welfare and preventing specific adverse impacts in the installation and use of such
8	charging stations. This Chapter is also adopted to comply with California Government
9	Code Section 65850.7.
10	105.3.1.1.2 Definitions.
11	For the purpose of this Chapter, the following definitions shall apply unless the
12	context clearly indicates or requires a different meaning.
13	ELECTRIC VEHICLE CHARGING STATION or CHARGING STATION. Any
14	level of electric vehicle supply equipment station that is designed and built in
15	compliance with Article 625 of the California Electrical Code, as it reads on the effective
16	date of this Chapter; and delivers electricity from a source outside an electric vehicle
17	into a plug-in electric vehicle.
18	ELECTRONIC SUBMITTAL. The utilization of one or more of the following:
19	1. Electronic mail or email.
20	2. The internet.
21	<u>3. Facsimile.</u>
22	SPECIFIC, ADVERSE IMPACT. A significant, quantifiable, direct, and
23	unavoidable impact, based on objective, identified, and written public health or safety
24	standards, policies, or conditions as they existed on the date the application was
25	deemed complete.
26	105.3.1.1.3 Expedited Permitting Process.
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1 Consistent with Government Code Section 65850.7, the Building Official shall 2 implement an expedited, streamlined permitting process for electric vehicle charging 3 stations, and adopt a checklist of all requirements with which electric vehicle charging 4 stations shall comply with to be eligible for expedited review. The expedited, streamlined permitting process and checklist may refer to the recommendations 5 6 contained in the most current version of the "Plug-In Electric Vehicle Infrastructure 7 Permitting Checklist" of the "Zero-Emission Vehicles in California: Community Readiness Guidebook" as published by the Governor's Office of Planning and 8 9 Research. The City's adopted checklist shall be published on the City's website. 105.3.1.1.4 Permit Application Processing. 10 A. Prior to submitting an application for processing, the applicant shall verify 11 12 that the installation of an electric vehicle charging station will not have specific, adverse impact to public health and safety and building occupants. Verification by the applicant 13 includes but is not limited to: electrical system capacity and loads; electrical system 14 15 wiring, bonding and overcurrent protection; building infrastructure affected by charging station equipment and associated conduits; areas of charging station equipment and 16 vehicle parking. 17 18 B. A permit application that satisfies the information requirements in the City's adopted checklist shall be deemed complete and be promptly processed. Upon 19 confirmation by the Building Official that the permit application and supporting 20 21 documents meets the requirements of the City adopted checklist; and is consistent with all applicable laws and health and safety standards, the Building Official shall, 22 consistent with Government Code Section 65850.7, approve the application and issue 23 24 all necessary permits. Such approval does not authorize an applicant to energize or utilize the electric vehicle charging station until approval is granted by the City. If the 25 Building Official determines that the permit application is incomplete, he or she shall 26 27 issue a written correction notice to the applicant, detailing all deficiencies in the 28

1 application and any additional information required to be eligible for expedited permit 2 issuance.

3 C. Consistent with Government Code Section 65850.7, the Building Official 4 shall allow for electronic submittal of permit applications covered by this Chapter and associated supporting documentation. In accepting such permit applications, the 5 6 Building Official shall also accept electronic signatures on all forms, applications, and 7 other documentation in lieu of a wet signature by any applicant. D. No fee shall be imposed on the applicant for the filing and processing of a 8 9

permit application for installation of an electric vehicle charging station.

105.3.1.1.5 Technical Review.

A. It is the intent of this Chapter to encourage the installation of electric vehicle 11 12 charging stations by removing obstacles to permitting for charging stations so long as the action does not supersede the Building Official's authority to address higher priority 13 14 life-safety situations. If the Building Official makes a finding based on substantial 15 evidence that the electric vehicle charging station could have a specific adverse impact upon the public health or safety, as defined in this Chapter, the City may require the 16 applicant to apply for a use permit. 17

18 B. In the technical review of a charging station, consistent with Government Code Section 65850.7, the Building Official shall not condition the approval for any 19 electric vehicle charging station permit on the approval of such a system by an 20 21 association, as that term is defined by Civil Code Section 4080.

105.3.1.1.6 Electric Vehicle Charging Stations Installation Requirements

A. Electric vehicle charging station equipment shall meet the requirements of 23 24 the California Electrical Code, the Society of Automotive Engineers, the National Electrical Manufacturers Association, and accredited testing laboratories such as 25 26 Underwriters Laboratories, and rules of the Public Utilities Commission or a Municipal 27 Electric Utility Company regarding safety and reliability.

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1	B. Installation of electric vehicle charging stations and associated wiring.
2	bonding, disconnecting means and overcurrent protective devices shall meet the
3	requirements of Article 625 and all applicable provisions of the California Electrical
4	Code.
5	C. Installation of electric vehicle charging stations shall be incorporated into the
6	load calculations of all new or existing electrical services and shall meet the
7	requirements of the California Electrical Code. Electric vehicle charging equipment shall
8	be considered a continuous load.
9	D. Anchorage of either floor-mounted or wall-mounted electric vehicle charging
10	stations shall meet the requirements of the California Building or Residential Code as
11	applicable per occupancy, and the provisions of the manufacturer's installation
12	instructions. Mounting of charging stations shall not adversely affect building elements.
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14	Section 105.3.2 of Chapter 1 of the CBC is amended to read as follows:
15	105.3.2 Expiration of Plan Check.
16	An application for a permit for any proposed work is deemed abandoned <u>12</u>
17	months after the application date. Unless otherwise provided, after expiration of the
18	application, the City will not issue a permit until the plans are rechecked and approved
19	and a new fee is paid.
20	Exception: The Building Official may grant extensions of time for additional
21	periods not exceeding 90 days each if a permit applicant submits in writing sufficient
22	evidence that unusual conditions or circumstances precluded the securing of the permit
23	within the allocated time.
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25	Section 105.5 of Chapter 1 of the CBC is amended to read as follows:
26	105.5 Expiration of Permits.
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1 Every permit issued shall become invalid unless the work on the site authorized 2 by such permit is commenced within 12 months after its issuance, or if the work 3 authorized on the site by such permit is suspended or abandoned for a period of 180 4 days after the time the work is commenced. Work shall be considered suspended or abandoned if the building official determines that substantial work has not been 5 performed within the time specified above. Substantial work shall be constructed to 6 7 mean: 1. Measurable work such as, but not limited to, the addition of footings, structural 8 9 members, flooring, wall covering, etc. 2. The work mentioned in subsection 1 of this Section105.5 above must 10 constitute 20% of the value of the work for which the permit was issued in any 180-day 11 12 period for Group R, Division 3 occupancies and 10% for all other occupancies. Before such work can be recommenced, a new permit shall be first obtained to 13 14 do so, and the fee therefore shall be one half the amount required for a new permit for 15 such work, provided no changes have been made or will be made in the original plans and specifications for such work, and provided further that such suspension or 16 abandonment has not exceeded one year. In order to renew action on a permit after 17 18 expiration, the permittee shall pay a new permit fee and may be required to comply with all applicable new regulations at the time of issuance. The building official is authorized 19 to grant, in writing, one or more extensions of time, for periods not more than 180 days 20 21 each. The extension shall be requested in writing and justifiable cause demonstrated. 22 Except as otherwise provided, every permit issued by the City is valid for a period of three (3) years. 23 Exception: The Building Official may grant extensions of time if a permit 24 applicant submits in writing sufficient evidence that unusual conditions or circumstances 25 precluded from the work being completed. An extension of time may require conditions 26 27 of approval and additional fees. 28

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2	Section 105.8 Chapter 1 of the CBC is added to read as follows:
3	105.8 Responsibility of permittee.
4	Building permits shall be presumed by the City to incorporate all of the work that
5	the applicant, the applicant's agent, employees and/or contractors shall carry out. Said
6	proposed work shall be in accordance with the approved plans and with all
7	requirements of this code and any other laws or regulations applicable thereto. No city
8	approval shall relieve or exonerate any person from the responsibility of complying with
9	the provisions of this code nor shall any vested rights be created for any work
10	performed in violation of this code.
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12	Section 109.4 of Chapter 1 of the CBC is amended to read as follows:
13	109.4 Work commencing before permit issuance.
14	Any person who commences any work on a building, structure, electrical, gas,
15	mechanical or plumbing system before obtaining the necessary permits shall be subject
16	to a fee in addition to the normally established permit fee, equal to 100% of such
17	normally established permit fee, or as otherwise determined by the building official.
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19	Section 109.6.1 of Chapter 1 of the CBC is added to read as follows:
20	109.6.1 Plan check fees refund.
21	No portion of the plan check fee shall be refunded unless plan review has not
22	been performed, in which case 80 percent of the plan check fee shall be refunded upon
23	written application for refund submitted by the person who made original payment of
24	such fee and with the written consent of the owner of the real property on which the
25	work was proposed to be done. The Building Official shall determine, in such official's
26	discretion, whether an applicant is qualified to receive a refund. After 180 days have
27	elapsed from the date of the submittal for plan check, no plan check fees shall be
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1	refunded. In the event subsequent application for plan check is made by a person who
2	has received a refund, the full amount of all required fees shall be paid as elsewhere
3	provided in this chapter.
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5	Section 109.6.2 of Chapter 1 of the CBC is added to read as follows:
6	109.6.2 Permit fees refund.
7	In the event any person shall have obtained a building permit and no portion of
8	the work or construction covered by such permit shall have commenced, nor any
9	inspection performed by any City employee, and notice of abandonment has been
10	received from the owner of the real property on which such work would have been
11	performed, the permittee, upon presentation to the Building Official of a written request
12	for refund, shall be entitled to a refund in an amount equal to 80 percent of the building
13	permit fee actually paid for such permit. The Building Official shall determine, in such
14	official's discretion, whether an applicant is qualified to receive a refund. After 180 days
15	have elapsed from the date of the issuance of the permit, no permit fees shall be
16	refunded. In the event subsequent application for a permit is made by a person who
17	has received a refund, the full amount of all required fees shall be paid as elsewhere
18	provided in this chapter.
19	Exception:
20	1. If a permit has been issued for a project located in an area outside the
21	jurisdiction of the City, 100 percent of the permit and plan checking fee may be
22	refunded.
23	2. If a duplicate permit has been erroneously issued, 100 percent of the
24	duplicated permit and plan checking fee may be refunded.
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26	Section 109.7 of Chapter 1 of the CBC is added to read as follows:
27	109.7 Re-inspections.
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1	A re-inspection fee in the amount set by City Council resolution may be
2	assessed for each inspection or re-inspection when such portion of work for which
3	inspection is called is incomplete or when required corrections are not made. This
4	section is not to be interpreted as requiring re-inspection fees the first time a job is
5	rejected for failure to comply with the requirements of this code, but as controlling the
6	practice of calling for inspections before the job is ready for such inspection or re-
7	inspection. Re-inspection fees may be assessed when the inspection record card is not
8	posted or otherwise available on the work site, the approved plans are not readily
9	available to the inspector, for failure to provide access on the date for which inspection
10	is requested, or for deviating from plans requiring the approval of the building official. In
11	instances where re-inspection fees have been assessed, no additional inspection of the
12	work will be performed until required fees have been paid.
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14	Section 110.1.1 of Chapter 1 of the CBC is added to read as follows:
15	110.1.1 Setback Certification required.
16	A California State licensed surveyor is required to certify the location of the new
17	construction when it is within 3 feet of a setback line or property line prior to the first
18	foundation inspection. A copy of the certification shall be available to the Building
19	Safety Division inspector for the job file prior to the first inspection.
20	Exception: Wherever there are practical difficulties involved in carrying out the
21	provisions of this section, the Building Official shall have the authority to grant
22	modifications for individual cases.
23	
24	Section 113.4 of Chapter 1 of the CBC is added to read as follows:
25	113.4 Access Board of Appeals.
26	A. There shall be a Disability Access Board of Appeals ("Access Board of
27	Appeals") to consist of five members. Each member shall be appointed and hold office
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1 in accordance with procedures established by resolution of the City Council. Three of the five members shall be members of the Building Board of Appeals and shall be co-2 3 appointed by the City Council to be a member of the Building Board of Appeals and the 4 Access Board of Appeals. Two of the five members shall be "physically handicapped" persons" (as defined by California Health and Safety Code Section 19957.5). 5

6 B. The Access Board of Appeals shall be considered a "standing committee" with 7 a continuing subject matter jurisdiction. Thus, the Access Board of Appeals shall be subject to the requirements of the Brown Act (California Government Code Section 8 54950 et seq.); however, the Access Board of Appeals shall have no regular meetings, and all meetings shall be special meetings noticed pursuant to California Government 10 Code Section 54956. The Access Board of Appeals shall conduct its meetings in 12 accordance with procedures established by resolution of the City Council. The Access Board of Appeals may establish its own rules of procedure or by-laws consistent with 13 City Council resolutions and ordinances. 14

15 C. Any person aggrieved by a determination made by the Building Official or Fire Code Official in administering or enforcing the portions of this chapter related to access 16 to "public accommodations or facilities" (pursuant to California Health and Safety Code 17 18 Section 19955, et seq.) may appeal the determination to the Access Board of Appeals. The appeal shall be filed with the Building Official no later than 10 days after receipt of 19 written notice of the determination and the appeal provisions of this section. Upon 20 21 receipt of an appeal by the Building Official, a hearing shall be scheduled before the Access Board of Appeals. The Access Board of Appeals shall consider relevant 22 evidence presented at the hearing and shall render a final written decision within a 23 24 reasonably prompt time after conducting the hearing. The authority of the Access Board of Appeals to render a written decision shall be limited to the scope of authority of the 25 26 Building Official, and the Access Board of Appeals shall have no authority to waive a 27 requirement of this chapter.

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1	D. Any person aggrieved by a decision of the Access Board of Appeals may
2	request an administrative hearing within 10 days of the issuance of the final written
3	decision. Any such request shall be made and heard in the same manner as an
4	administrative hearing related to an administrative citation, in accordance with City of
5	Culver City Municipal Code.
6	E. Failure to timely request an appeal to the Access Board of Appeals (pursuant
7	to subsection C), or to an administrative hearing officer (pursuant to subsection D)
8	constitutes a waiver of the hearing and a failure to exhaust administrative remedies.
9	F. Unless otherwise designated by the City Manager, the Building Official shall
10	be the principal city staff liaison to the Access Board of Appeals, and the Building
11	Official shall appoint a secretary to the Access Board of Appeals to comply with all
12	procedural requirements related to the Brown Act.
13	G. The Building Official may request a special meeting of the Access Board of
14	Appeals in order to request advisory comments from the Access Board of Appeals
15	regarding issues related to this chapter, such as the potential adoption of new codes,
16	proposed code changes, or alternate methods and materials.
17	
18	Section 117 of Chapter 1 of the CBC is added to read as follows:
19	117 Solar Photovoltaic Systems
20	117.1 Definitions. Terms defined herein shall have the following meanings when
21	used in this Section:
22	BUILDING OFFICIAL. The Building Official of the City of Culver City or his or
23	her designee.
24	CALIFORNIA ENERGY EFFICIENCY STANDARDS. The California Energy
25	Efficiency Standards set forth in Title 24, Part 6, of the California Code of Regulations.
26	CITY. The City of Culver City.
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1	DIRECTOR. The Community Development Director of the City of Culver City or
2	his or her designee.
3	SOLAR PHOTOVOLTAIC SYSTEM. A system that generates electricity from
4	the sun.
5	117.1 Requirements. All new buildings of 10,000 square feet or more of gross
6	floor area, additions equal to 10,000 square feet or more of gross floor area, and major
7	renovations to existing buildings of 10,000 square feet or more of gross floor area,
8	where such renovation is equal to at least fifty percent (50%) of the valuation of the
9	existing building, shall be equipped with a one kilowatt (1 kw) solar photovoltaic system
10	per each 10,000 square feet of gross floor area, or fraction thereof.
11	A. Except as otherwise expressly provided, this Section shall not apply to one-
12	and two-family residences, parking structures, garages, and renovations or additions to
13	existing buildings.
14	B. For qualifying projects, the number of panels required for any given system
15	shall be the total required energy production of the project, divided by the energy
16	production capability of a single panel as specified on the project.
17	C. When calculating the number of panels required, fractional panels equal to
18	or greater than one half shall be rounded up to the nearest whole number; fractional
19	panels less than one half shall be rounded down to the nearest whole number.
20	117.2 Exceptions. Upon the written approval of the Director, an applicant who is
21	unable to install the required solar photovoltaic system, due to the configuration of the
22	proposed construction project, shall comply with one of the following options in order to
23	satisfy the requirements set forth in § 117.1:
24	A. In-lieu fee.
25	1. An applicant shall pay an in-lieu fee in an amount equal to the cost of
26	a solar photovoltaic system installed in a comparable project.
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	-18-

1	2. Fees generated from in lieu payments pursuant to this Subsection
2	shall be appropriated and disbursed only for solar photovoltaic designs and installations
3	on City buildings or facilities.
4	3. The amount and process for the collection, utilization and return of
5	fees contemplated by this Section shall be established by resolution of the City Council.
6	B. Alternate location. An applicant shall install a solar photovoltaic system
7	equivalent to a system installed in a comparable project on another building owned by
8	the applicant and located in Culver City.
9	117.3 Building Permit Fees and Inspections.
10	A. Plan check and permit fees in an amount not to exceed Five Thousand
11	Dollars (\$5,000) shall be waived for solar photovoltaic installations. This subsection,
12	117.3.A, shall remain in effect until May 23, 2028, and as of that date is repealed,
13	unless a later enacted statute, enacted before May 23, 2028, deletes or extends that
14	date.
15	B. The value of the required solar photovoltaic system shall not be required to
16	be included in the overall construction valuation of the project for the purposes of
17	determining building permit fees.
18	C. No final inspection shall be approved for a construction project subject to the
19	requirements of this Subchapter, nor shall a temporary or final certificate of occupancy
20	be issued for such project, prior to the installation of the solar photovoltaic system being
21	completed, inspected and fully operational, unless otherwise excepted pursuant to
22	<u>§117.2.</u>
23	
24	Section 118 of Chapter 1 of the CBC is added to read as follows:
25	118 Sandblasting.
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1	The purpose of this Section is to prevent the dust and debris that occurs in
2	sandblasting operations from spreading throughout the neighborhood creating a public
3	health hazard.
4	118.1 Permit Required; Compliance with Regulations.
5	A. No person shall sandblast or cause to be sandblasted the outside or inside of
6	any building or structure within the City without first paying the fee and obtaining a
7	permit from the Division of Building and Safety and without complying with
8	regulations adopted by the City Council which are reasonable necessary to protect
9	the public health and safety and property from damage which may result from
10	sandblasting.
11	B. No permit for dry sandblasting shall be issued unless the Building Official
12	determines that extraordinary reasons exist for the use of such a process and that
13	adequate measures will be taken to protect the public health and safety from the effect
14	of such dry sandblasting.
15	
16	118.2 Enforcement.
17	A. The Building Official shall have the power to revoke without prior notice any
18	sandblasting permit for failure to comply with any such regulations.
19	B. No person shall do any sandblasting after a permit therefore has been
20	revoked.
21	
22	Section 1507.3.1 of the 2019 CBC is amended to read as follows:
23	1507.3.1 Deck requirements. Concrete and clay tile shall be installed only over
24	solid sheathing or spaced structural sheathing boards.
25	Exception: Spaced lumber shall be permitted in Seismic Design Categories
26	A, B, and C.
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1	Sections 1613.5 and 1613.5.1 are added to Chapter 16 of the 2019 CBC to
2	read as follows:
3	1613.5 Amendments to ASCE 7. The provisions of Section 1613.5 shall be
4	permitted as an amendment to the relevant provisions of ASCE 7.
5	1613.5.1 Values for vertical combinations. Modify ASCE 7 Section
6	12.2.3.1 Exception 3 as follows:
7	3. Detached one- and two-family dwellings up to two stories in height of
8	light frame construction.
9	
10	Section 1613.5.2 is added to Chapter 16 of the 2019 CBC to read as follows:
11	1613.5.2 Wood Diaphragms. Modify ASCE 7 Section 12.11.2.2.3 as follows:
12	12.11.2.2.3 Wood Diaphragms.
13	In wood diaphragms, the continuous ties shall be in addition to the diaphragm
14	sheathing. Anchorage shall not be accomplished by use of toe nails or nails subject to
15	withdrawal nor shall wood ledgers or framing be used in cross-grain bending or cross-
16	grain tension. The diaphragm sheathing shall not be considered effective as providing
17	ties or struts required by this section.
18	For structures assigned to Seismic Design Category D, E or F, wood diaphragms
19	supporting concrete or masonry walls shall comply with the following:
20	1. The spacing of continuous ties shall not exceed 40 feet. Added chords of
21	diaphragms may be used to form sub-diaphragms to transmit the anchorage
22	forces to the main continuous crossties.
23	2. The maximum diaphragm shear used to determine the depth of the sub-
24	diaphragm shall not exceed 75% of the maximum diaphragm shear.
25	
26	Section 1613.5.3 is added to Chapter 16 of the 2019 CBC to read as follows:
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	-21-

1	1613.5.3 Structural separation. Modify ASCE 7 Section 12.12.3 Equation
2	12.12-1 as follows:
3	$\delta_{\rm M} = \frac{C_{\rm d} \delta_{\rm max}}{T_{\rm c}} (12.12-1)$
4	
5	Section 1613.6 is added to Chapter 16 of the 2019 CBC to read as follows:
6	1613.6 Seismic design provisions for hillside buildings.
7	1613.6.1 Purpose. The purpose of this section is to establish minimum
8	regulations for the design and construction of new buildings and additions to existing
9	buildings when constructing such buildings on or into slopes steeper than one unit
10	vertical in three units horizontal (33.3%). These regulations establish minimum
11	standards for seismic force resistance to reduce the risk of injury or loss of life in the
12	event of earthquakes.
13	1613.6.2 Scope. The provisions of this section shall apply to the design of the
14	lateral-force-resisting system for hillside buildings at and below the base level
15	diaphragm. The design of the lateral-force-resisting system above the base level
16	diaphragm shall be in accordance with the provisions for seismic and wind design as
17	required elsewhere in this division.
18	Exception: Non-habitable accessory buildings and decks not supporting or
19	supported from the main building are exempt from these regulations.
20	1613.6.3 Definitions. For the purposes of this section certain terms are defined
21	as follows:
22	BASE LEVEL DIAPHRAGM is the floor at, or closest to, the top of the highest
23	level of the foundation.
24	DIAPHRAGM ANCHORS are assemblies that connect a diaphragm to the
25	adjacent foundation at the uphill diaphragm edge.
26	DOWNHILL DIRECTION is the descending direction of the slope approximately
27	perpendicular to the slope contours.
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	-22-

1	FOUNDATION is concrete or masonry which supports a building, including
2	footings, stem walls, retaining walls, and grade beams.
3	FOUNDATION EXTENDING IN THE DOWNHILL DIRECTION is a foundation
4	running downhill and approximately perpendicular to the uphill foundation.
5	HILLSIDE BUILDING is any building or portion thereof constructed on or into a
6	slope steeper than one unit vertical in three units horizontal (33.3%). If only a portion of
7	the building is supported on or into the slope, these regulations apply to the entire
8	building.
9	PRIMARY ANCHORS are diaphragm anchors designed for and providing a
10	direct connection as described in Sections 1613.6.5 and 1613.6.7.3 between the
11	diaphragm and the uphill foundation.
12	SECONDARY ANCHORS are diaphragm anchors designed for and providing a
13	redundant diaphragm to foundation connection, as described in Sections 1613.6.6 and
14	<u>1613.6.7.4.</u>
15	UPHILL DIAPHRAGM EDGE is the edge of the diaphragm adjacent and closest
16	to the highest ground level at the perimeter of the diaphragm.
17	UPHILL FOUNDATION is the foundation parallel and closest to the uphill
18	diaphragm edge.
19	1613.6.4 Analysis and design.
20	1613.6.4.1 General. Every hillside building within the scope of this section shall
21	be analyzed, designed, and constructed in accordance with the provisions of this
22	division. When the code-prescribed wind design produces greater effects, the wind
23	design shall govern, but detailing requirements and limitations prescribed in this and
24	referenced sections shall be followed.
25	1613.6.4.2 Base level diaphragm-downhill direction. The following provisions
26	shall apply to the seismic analysis and design of the connections for the base level
27	diaphragm in the downhill direction.
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1	1613.6.4.2.1 Base for lateral force design defined. For seismic forces acting in
2	the downhill direction, the base of the building shall be the floor at or closest to the top
3	of the highest level of the foundation.
4	1613.6.4.2.2 Base shear. In developing the base shear for seismic design, the
5	response modification coefficient (R) shall not exceed 5 for bearing wall and building
6	frame systems. The total base shear shall include the forces tributary to the base level
7	diaphragm including forces from the base level diaphragm.
8	<u>1613.6.5 Base shear resistance-primary anchors.</u>
9	1613.6.5.1 General. The base shear in the downhill direction shall be resisted
10	through primary anchors from diaphragm struts provided in the base level diaphragm to
11	the foundation.
12	<u>1613.6.5.2 Location of primary anchors. A primary anchor and diaphragm strut</u>
13	shall be provided in line with each foundation extending in the downhill direction.
14	Primary anchors and diaphragm struts shall also be provided where interior vertical
15	lateral-force-resisting elements occur above and in contact with the base level
16	diaphragm. The spacing of primary anchors and diaphragm struts or collectors shall in
17	no case exceed 30 feet (9144 mm).
18	1613.6.5.3 Design of primary anchors and diaphragm struts. Primary
19	anchors and diaphragm struts shall be designed in accordance with the requirements of
20	Section 1613.6.8.
21	1613.6.5.4 Limitations. The following lateral-force-resisting elements shall not
22	be designed to resist seismic forces below the base level diaphragm in the downhill
23	direction:
24	1.Wood structural panel wall sheathing,
25	2.Cement plaster and lath,
26	3.Gypsum wallboard, and
27	4.Tension only braced frames.
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1	Braced frames designed in accordance with the requirements of Section
2	2205.2.1.2 may be used to transfer forces from the primary anchors and diaphragm
3	struts to the foundation provided lateral forces do not induce flexural stresses in any
4	member of the frame or in the diaphragm struts. Deflections of frames shall account for
5	the variation in slope of diagonal members when the frame is not rectangular.
6	1613.6.6 Base shear resistance-secondary anchors.
7	1613.6.6.1 General. In addition to the primary anchors required by Section
8	1613.6.5, the base shear in the downhill direction shall be resisted through secondary
9	anchors in the uphill foundation connected to diaphragm struts in the base level
10	diaphragm.
11	Exception: Secondary anchors are not required where foundations extending in
12	the downhill direction spaced at not more than 30 feet (9144 mm) on center extend up
13	to and are directly connected to the base level diaphragm for at least 70% of the
14	diaphragm depth.
15	1613.6.6.2 Secondary anchor capacity and spacing. Secondary anchors at
16	the base level diaphragm shall be designed for a minimum force equal to the base
17	shear, including forces tributary to the base level diaphragm, but not less than 600
18	pounds per lineal foot (8.76 kN/m) based on Allowable Stress Design (ASD) levels. The
19	secondary anchors shall be uniformly distributed along the uphill diaphragm edge and
20	shall be spaced a maximum of 4 feet (1219 mm) on center.
21	1613.6.6.3 Design. Secondary anchors and diaphragm struts shall be designed
22	in accordance with Section 1613.6.8.
23	1613.6.7 Diaphragms below the base level-downhill direction. The following
24	provisions shall apply to the lateral analysis and design of the connections for all
25	diaphragms below the base level diaphragm in the downhill direction.
26	1613.6.7.1 Diaphragm defined. Every floor level below the base level
27	diaphragm shall be designed as a diaphragm.
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1	1613.6.7.2 Design force. Each diaphragm below the base level diaphragm shall
2	be designed for all tributary loads at that level using a minimum seismic force factor not
3	less than the base shear coefficient.
4	1613.6.7.3 Design force resistance-primary anchors. The design force
5	described in Section 1613.6.7.2 shall be resisted through primary anchors from
6	diaphragm struts provided in each diaphragm to the foundation. Primary anchors shall
7	be provided and designed in accordance with the requirements and limitations of
8	Section 1613.6.5.
9	1613.6.7.4 Design force resistance-secondary anchors.
10	1613.6.7.4.1 General. In addition to the primary anchors required in Section
11	1613.6.7.3, the design force in the downhill direction shall be resisted through
12	secondary anchors in the uphill foundation connected to diaphragm struts in each
13	diaphragm below the base level.
14	Exception: Secondary anchors are not required where foundations extending in
15	the downhill direction, spaced at not more than 30 feet (9144 mm) on center, extend up
16	to and are directly connected to each diaphragm below the base level for at least 70%
17	of the diaphragm depth.
18	1613.6.7.4.2 Secondary anchor capacity. Secondary anchors at each
19	diaphragm below the base level diaphragm shall be designed for a minimum force
20	equal to the design force but not less than 300 pounds per lineal foot (4.38 kN/m)
21	based on Allowable Stress Design (ASD) levels. The secondary anchors shall be
22	uniformly distributed along the uphill diaphragm edge and shall be spaced a maximum
23	of 4 feet (1219 mm) on center.
24	1613.6.7.4.3 Design. Secondary anchors and diaphragm struts shall be
25	designed in accordance with Section 1613.6.8.
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1	1613.6.8 Primary and secondary anchorage and diaphragm strut design.
2	Primary and secondary anchors and diaphragm struts shall be designed in accordance
3	with the following provisions:
4	1. Fasteners. All bolted fasteners used to develop connections to wood
5	members shall be provided with square plate washers at all bolt heads and nuts.
6	Washers shall be minimum 0.229 inch by 3 inches by 3 inches (5.82 mm by 76 mm by
7	76 mm) in size. Nuts shall be tightened to finger tight plus one half (1/2) wrench turn
8	prior to covering the framing.
9	2.Fastening. The diaphragm to foundation anchorage shall not be accomplished
10	by the use of toenailing, nails subject to withdrawal, or wood in cross-grain bending or
11	cross-grain tension.
12	3.Size of Wood Members. Wood diaphragm struts collectors, and other wood
13	members connected to primary anchors shall not be less than 3 inch (76 mm) nominal
14	width. The effects of eccentricity on wood members shall be evaluated as required per
15	<u>Item 9.</u>
16	4.Design. Primary and secondary anchorage, including diaphragm struts, splices,
17	and collectors shall be designed for 125% of the tributary force.
18	5.Allowable Stress Increase. The one-third allowable stress increase permitted
19	under Section 1605.3.2 shall not be taken when the working (allowable) stress design
20	method is used.
21	6.Steel Element of Structural Wall Anchorage System. The strength design
22	forces for steel elements of the structural wall anchorage system, with the exception of
23	anchor bolts and reinforcing steel, shall be increased by 1.4 times the forces otherwise
24	required.
25	7.Primary Anchors. The load path for primary anchors and diaphragm struts shall
26	be fully developed into the diaphragm and into the foundation. The foundation must be
27	shown to be adequate to resist the concentrated loads from the primary anchors.
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1	8.Secondary Anchors. The load path for secondary anchors and diaphragm
2	struts shall be fully developed in the diaphragm but need not be developed beyond the
3	connection to the foundation.
4	9.Symmetry. All lateral force foundation anchorage and diaphragm strut
5	connections shall be symmetrical. Eccentric connections may be permitted when
6	demonstrated by calculation or tests that all components of force have been provided
7	for in the structural analysis or tests.
8	10.Wood Ledgers. Wood ledgers shall not be used to resist cross-grain bending
9	or cross-grain tension.
10	1613.6.9 Lateral-force-resisting elements normal to the downhill direction.
11	1613.6.9.1 General. In the direction normal to the downhill direction, lateral-
12	force-resisting elements shall be designed in accordance with the requirements of this
13	section.
14	1613.6.9.2 Base shear. In developing the base shear for seismic design, the
15	response modification coefficient (R) shall not exceed 5 for bearing wall and building
16	frame systems.
17	1613.6.9.3 Vertical distribution of seismic forces. For seismic forces acting
18	normal to the downhill direction the distribution of seismic forces over the height of the
19	building using Section 12.8.3 of ASCE 7 shall be determined using the height measured
20	from the top of the lowest level of the building foundation.
21	1613.6.9.4 Drift limitations. The story drift below the base level diaphragm shall
22	not exceed 0.007 times the story height at strength design force level. The total drift
23	from the base level diaphragm to the top of the foundation shall not exceed 3/4 inch (19
24	mm). Where the story height or the height from the base level diaphragm to the top of
25	the foundation varies because of a stepped footing or story offset, the height shall be
26	measured from the average height of the top of the foundation. The story drift shall not
27	be reduced by the effect of horizontal diaphragm stiffness.
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1	1613.6.9.5 Distribution of lateral forces.
2	1613.6.9.5.1 General. The design lateral force shall be distributed to lateral-
3	force-resisting elements of varying heights in accordance with the stiffness of each
4	individual element.
5	1613.6.9.5.2 Wood structural panel sheathed walls. The stiffness of a stepped
6	wood structural panel shear wall may be determined by dividing the wall into adjacent
7	rectangular elements, subject to the same top of wall deflection. Deflections of shear
8	walls may be estimated by AWC SDPWS Section 4.3.2. Sheathing and fastening
9	requirements for the stiffest section shall be used for the entire wall. Each section of
10	wall shall be anchored for shear and uplift at each step. The minimum horizontal length
11	of a step shall be 8 feet (2438 mm) and the maximum vertical height of a step shall be
12	<u>2 feet 8 inches (813 mm).</u>
13	1613.6.9.5.3 Reinforced concrete or masonry shear walls. Reinforced
14	concrete or masonry shear walls shall have forces distributed in proportion to the rigidity
15	of each section of the wall.
16	1613.6.9.6 Limitations. The following lateral force-resisting-elements shall not
17	be designed to resist lateral forces below the base level diaphragm in the direction
18	normal to the downhill direction:
19	1.Cement plaster and lath.
20	2.Gypsum wallboard, and
21	3.Tension-only braced frames.
22	Braced frames designed in accordance with the requirements of Section
23	2205.2.1.2 of this Code may be designed as lateral-force-resisting elements in the
24	direction normal to the downhill direction, provided lateral forces do not induce flexural
25	stresses in any member of the frame. Deflections of frames shall account for the
26	variation in slope of diagonal members when the frame is not rectangular.
27	1613.6.10 Specific design provisions.
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1	1613.6.10.1 Footings and grade beams. All footings and grade beams shall
2	comply with the following:
3	1.Grade beams shall extend at least 12 inches (305 mm) below the lowest
4	adjacent grade and provide a minimum 24-inch (610 mm) distance horizontally from the
5	bottom outside face of the grade beam to the face of the descending slope.
6	2.Continuous footings shall be reinforced with at least two No. 4 reinforcing bars
7	at the top and two No. 4 reinforcing bars at the bottom.
8	3.All main footing and grade beam reinforcement steel shall be bent into the
9	intersecting footing and fully developed around each corner and intersection.
10	4.All concrete stem walls shall extend from the foundation and reinforced as
11	required for concrete or masonry walls.
12	1613.6.10.2 Protection against decay and termites. All wood to earth
13	separation shall comply with the following:
14	1.Where a footing or grade beam extends across a descending slope, the stem
15	wall, grade beam, or footing shall extend up to a minimum 18 inches (457 mm) above
16	the highest adjacent grade.
17	Exception: At paved garage and doorway entrances to the building, the stem wall
18	need only extend to the finished concrete slab, provided the wood framing is protected
19	with a moisture proof barrier.
20	2.Wood ledgers supporting a vertical load of more than 100 pounds per lineal
21	foot (1.46 kN/m) based on Allowable Stress Design (ASD) levels and located within 48
22	inches (1219 mm) of adjacent grade are prohibited. Galvanized steel ledgers and
23	anchor bolts, with or without wood nailers, or treated or decay resistant sill plates
24	supported on a concrete or masonry seat, may be used.
25	1613.6.10.3 Sill plates. All sill plates and anchorage shall comply with the
26	following:
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1 1. All wood framed walls, including nonbearing walls, when resting on a footing, 2 foundation, or grade beam stem wall, shall be supported on wood sill plates bearing on 3 a level surface. 4 2. Power-driven fasteners shall not be used to anchor sill plates except at interior nonbearing walls not designed as shear walls. 5 6 **1613.6.10.4 Column base plate anchorage.** The base of isolated wood posts 7 (not framed into a stud wall) supporting a vertical load of 4,000 pounds (17.8 kN) based on Allowable Stress Design (ASD) levels or more and the base plate for a steel column 8 9 shall comply with the following: 1. When the post or column is supported on a pedestal extending above the top 10 of a footing or grade beam, the pedestal shall be designed and reinforced as required 11 12 for concrete or masonry columns. The pedestal shall be reinforced with a minimum of four No. 4 bars extending to the bottom of the footing or grade beam. The top of 13 exterior pedestals shall be sloped for positive drainage. 14 15 2. The base plate anchor bolts or the embedded portion of the post base, and the vertical reinforcing bars for the pedestal, shall be confined with two No. 4 or three No. 3 16 ties within the top 5 inches (127 mm) of the concrete or masonry pedestal. The base 17 18 plate anchor bolts shall be embedded a minimum of 20 bolt diameters into the concrete or masonry pedestal. The base plate anchor bolts and post bases shall be galvanized, 19 and each anchor bolt shall have at least 2 galvanized nuts above the base plate. 20 21 1613.6.10.5 Steel beam to column supports. All steel beam to column supports shall be positively braced in each direction. Steel beams shall have stiffener 22 plates installed on each side of the beam web at the column. The stiffener plates shall 23 24 be welded to each beam flange and the beam web. Each brace connection or structural member shall consist of at least two 5/8 inch (15.9 mm) diameter machine bolts. 25 26 Section 1613.8 is added to Chapter 16 of the 2019 CBC to read as follows: 27 28 -31-

1	1613.8 Suspended Ceilings. Minimum design and installation standards for
2	suspended ceilings shall be determined in accordance with the requirements of Section
3	2506.2.1 of this Code and this section.
4	1613.8.1 Scope. This part contains special requirements for suspended ceilings
5	and lighting systems. Provisions of Section 13.5.6 of ASCE 7 shall apply except as
6	modified herein.
7	1613.8.2 General. The suspended ceilings and lighting systems shall be limited
8	to 6 feet (1828 mm) below the structural deck unless the lateral bracing is designed by
9	a licensed engineer or architect.
10	1613.8.3 Sprinkler Heads. All sprinkler heads (drops) except fire-resistance-
11	rated floor/ceiling or roof/ceiling assemblies, shall be designed to allow for free
12	movement of the sprinkler pipes with oversize rings, sleeves or adaptors through the
13	ceiling tile. Sprinkler heads and other penetrations shall have a 2-inch (50mm) oversize
14	ring, sleeve, or adapter through the ceiling tile to allow for free movement of at least 1
15	inch (25mm) in all horizontal directions. Alternatively, a swing joint that can
16	accommodate 1 inch (25 mm) of ceiling movement in all horizontal directions is
17	permitted to be provided at the top of the sprinkler head extension.
18	Sprinkler heads penetrating fire-resistance-rated floor/ceiling or roof/ceiling
19	assemblies shall comply with Section 714 of this Code.
20	1613.8.4 Special Requirements for Means of Egress. Suspended ceiling
21	assemblies located along means of egress serving an occupant load of 30 or more
22	shall comply with the following provisions.
23	1613.8.4.1 General. Ceiling suspension systems shall be connected and braced
24	with vertical hangers attached directly to the structural deck along the means of egress
25	serving an occupant load of 30 or more and at lobbies accessory to Group A
26	Occupancies. Spacing of vertical hangers shall not exceed 2 feet (610 mm) on center
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along the entire length of the suspended ceiling assembly located along the means of
 egress or at the lobby.

<u>1613.8.4.2 Assembly Device.</u> All lay-in panels shall be secured to the suspension ceiling assembly with two hold-down clips minimum for each tile within a 4foot (1219 mm) radius of the exit lights and exit signs.

<u>1613.8.4.3 Emergency Systems.</u> Independent supports and braces shall be provided for light fixtures required for exit illumination. Power supply for exit illumination shall comply with the requirements of Section 1008.3 of this Code.

 1613.8.4.4 Supports for Appendage. Separate support from the structural deck

 shall be provided for all appendages such as light fixtures, air diffusers, exit signs, and

 similar elements.

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Section 1704.6 of the 2019 CBC is amended to read as follows:

1704.6 Structural observations. Where required by the provisions of
Section 1704.6.1, 1704.6.2 or 1704.6.3, the owner or the owner's authorized agent
shall employ a registered design professional structural observer to perform
structural observations. Structural observation does not include or waive the
responsibility for the inspections in Section 110 or the special inspections in Section
1705 or other sections of this code. The structural observer shall be one of the
following individuals:

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- <u>1.The registered design professional responsible for the structural design, or</u>
- 2.A registered design professional designated by the registered design professional responsible for the structural design.

24 Prior to the commencement of observations, the structural observer shall
25 submit to the building official a written statement identifying the frequency and
26 extent of structural observations.

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At the conclusion of the work included in the permit, the structural observer shall submit to the building official a written statement that the site visits have been made and identify any reported deficiencies that, to the best of the structural observer's knowledge, have not been resolved.

<u>The owner or owner's authorized agent shall coordinate and call a</u> <u>preconstruction meeting between the structural observer, contractors, affected</u> <u>subcontractors and special inspectors. The structural observer shall preside over the</u> <u>meeting. The purpose of the meeting shall be to identify the major structural</u> <u>elements and connections that affect the vertical and lateral load resisting systems</u> <u>of the structure and to review scheduling of the required observations. A record of</u> <u>the meeting shall be included in the report submitted to the building official.</u>

12 Observed deficiencies shall be reported in writing to the owner or owner's authorized agent, special inspector, contractor and the building official. Upon the 13 14 form prescribed by the building official, the structural observer shall submit to the 15 building official a written statement at each significant construction stage stating that the site visits have been made and identifying any reported deficiencies which, to 16 17 the best of the structural observer's knowledge, have not been resolved. A final 18 report by the structural observer which states that all observed deficiencies have been resolved is required before acceptance of the work by the building official. 19

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Section 1704.6.2 of the 2019 CBC is amended to read as follows:

1704.6.2 Structural observations for seismic resistance. Structural observations
shall be provided for those structures assigned to Seismic Design Category D, E or
F where one or more of the following conditions exist:

1. The structure is classified as Risk Category III or IV.

1	2. The structure is assigned to Seismic Design Category E, is classified as
2	Risk Category I or II, and is greater than two stories above the grade plane a
3	lateral design is required for the structure or portion thereof.
4	Exception: One-story wood framed Group R-3 and Group U
5	Occupancies less than 2,000 square feet in area, provided the
6	adjacent grade is not steeper than 1 unit vertical in 10 units horizontal
7	(10% sloped), assigned to Seismic Design Category D.
8	
9	Section 1705.3 of the 2019 CBC is amended to read as follows:
10	1705.3 Concrete construction. The special inspections and tests for
11	concrete construction shall be performed in accordance with this section and Table
12	1705.3.
13	Exceptions: Special inspections and tests shall not be required for:
14	1. Isolated spread concrete footings of buildings three stories or less above
15	grade plane that are fully supported on earth or rock where the structural
16	design of the footing is based on a specified compressive strength, f'c, not
17	more than 2,500 pounds per square inch (psi) (17.2 Mpa) regardless of
18	the compressive strength specified in the construction documents or used
19	in the footing construction.
20	
21	2. Continuous concrete footings supporting walls of buildings three stories or
22	less above grade plane that are fully supported on earth or rock where:
23	2.1. The footings support walls of light-frame construction;
24	2.2. The footings are designed in accordance with Table 1809.7; or
25	2.3. The structural design of the footing is based on a specified
26	compressive strength, f'c, not more than 2,500 pounds per square inch (psi)
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1	(17.2 Mpa), regardless of the compressive strength specified in the
2	construction documents or used in the footing construction.
3	3. Nonstructural concrete slabs supported directly on the ground, including
4	prestressed slabs on grade, where the effective prestress in the concrete
5	is less than 150 psi (1.03 Mpa).
6	4. Concrete foundation walls constructed in accordance with Table
7	<u>1807.1.6.2.</u>
8	
9	54. Concrete patios, driveways and sidewalks, on grade.
10	
11	Exception 3 of Section 1705.12 of the 2019 CBC is amended to read as
12	follows:
13	1705.12 Special inspections for seismic resistance. Special inspections for
14	seismic resistance shall be required as specified in Sections 1705.12.1 through
15	1705.12.9, unless exempted by the exceptions of Section 1704.2.
16	Exception: The special inspections specified in Sections 1705.12.1 through
17	1705.12.9 are not required for structures designed and constructed in
18	accordance with one of the following:
19	1.The structure consists of light-frame construction; the design spectral response
20	acceleration at short periods, SDS, as determined in Section 1613.3.4, does not exceed
21	0.5; and the building height of the structure does not exceed 35 feet (10 668 mm)
22	2. The seismic force-resisting system of the structure consists of reinforced
23	masonry or reinforced concrete; the design spectral response acceleration at short
24	periods, SDS, as determined in Section 1613.3.4, does not exceed 0.5; and the building
25	height of the structure does not exceed 25 feet (7620 mm)
26	3. The structure is a detached one- or two-family dwelling not exceeding two
27	stories above grade plane, is not assigned to Seismic Design Category D, E or F and
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does not have any of the following horizontal or vertical irregularities in accordance with 1 Section 12.3 of ASCE 7: 2 3.1 3 Torsional or extreme torsional irregularity. 3.2 Nonparallel systems irregularity. 4 3.3 Stiffness-soft story or stiffness-extreme soft story irregularity. 5 3.4 6 Discontinuity in lateral strength-weak story irregularity. 7 Section 1807.1.4 of the 2019 CBC is amended to read as follows: 8 9 1807.1.4 Permanent wood foundation systems. Permanent wood foundation

systems shall be designed and installed in accordance with AWC PWF. Lumber and 10 11 plywood shall be treated in accordance with AWPA U1 (Commodity Specification A, Use Category 4B and Section 5.2) and shall be identified in accordance with Section 12 2303.1.9.1. Permanent wood foundation systems shall not be used for structures 13 14

assigned to Seismic Design Category D, E or F.

Section 1807.1.6 of the 2019 CBC is amended to read as follows: 1807.1.6 Prescriptive design of concrete and masonry foundation walls. Concrete and masonry foundation walls that are laterally supported at the top and bottom shall be permitted to be designed and constructed in accordance with this section. Prescriptive design of foundation walls shall not be used for structures assigned to Seismic Design Category D, E or F.

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Section 1807.2 of the 2019 Edition of the California Building Code is amended to read as follows:

1807.2 Retaining walls. Retaining walls shall be designed in accordance with 25 26 Section 1807.2.1 through 1807.2.3. Retaining walls assigned to Seismic Design Category D, E or F shall not be partially or wholly constructed of wood. 27

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Section 1807.3.1 of the 2019 Edition of the California Building Code is amended to read as follows:

1807.3.1 Limitations. The design procedures outlined in this section are subject to the following limitations:

1. The frictional resistance for structural walls and slabs on silts and clays shall be limited to one-half of the normal force imposed on the soils by the weight of the fooling or slab.

2. Posts embedded in earth shall not be used to provide lateral support for structural or nonstructural materials such as plaster, masonry or concrete unless bracing is provided that develops the limited deflection required.

Wood poles shall be treated in accordance with AWPA U1 for sawn timber posts (Commodity Specification A, Use Category 4B) and for round timber posts (Commodity Specification B, Use Category 4B). Wood poles and posts embedded in direct contact with soil shall not be used for structures assigned to Seismic Design Category D, E or F.

Exception: Wood poles and posts embedded in direct contact with soil may be used to support non-habitable, non-occupiable structures such as fences when approved by the building official.

Section 1809.3 of the 2019 CBC is amended to read as follows:

1809.3 Stepped footings. The top surface of footings shall be level. The bottom surface of footings shall be permitted to have a slope not exceeding one unit vertical in 10 units horizontal (10-percent slope). Footings shall be stepped where it is necessary to change the elevation of the top surface of the footing or where the surface of the ground slopes more than one unit vertical in 10 units horizontal (10-percent slope).

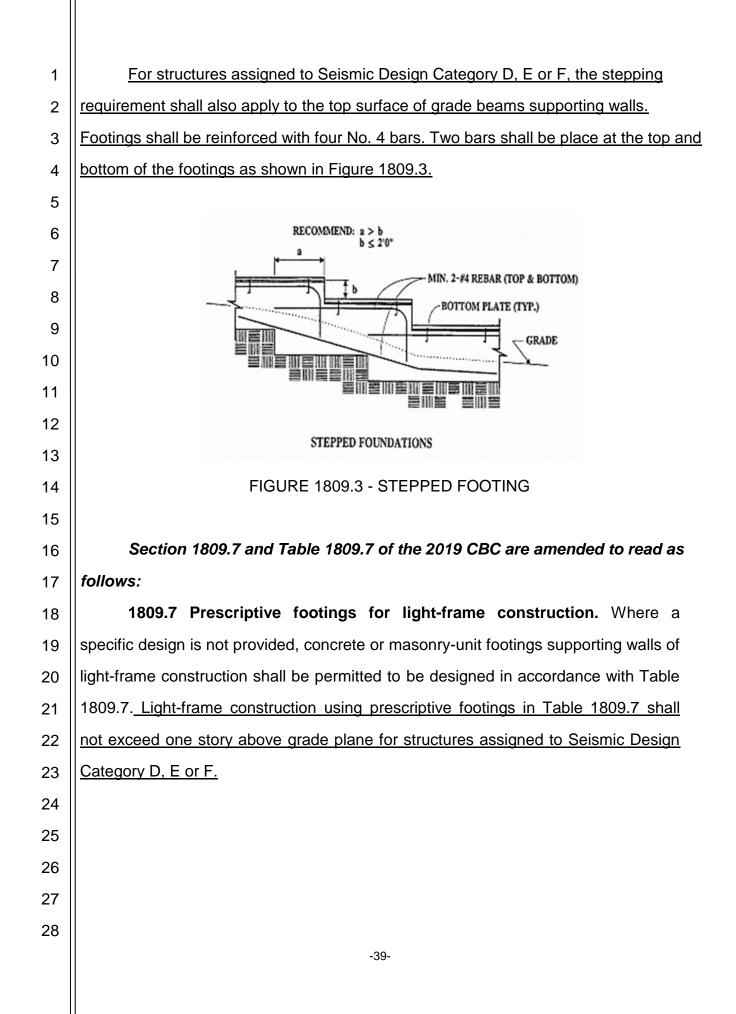


TABLE 1809.7 PRESCRIPTIVE FOOTINGS SUPPORTING WALLS OF LIGHT-FRAME CONSTRUCTION a. b. c. d. e

NUMBER OF FLOORS	WIDTH OF	
SUPPORTED BY THE	FOOTING	THICKNESS OF
FOOTING ^f	(inches)	FOOTING (inches)
1	12	6
2	15	6
3	18	8 ^g

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

a. Depth of footings shall be in accordance with Section 1809.4.

b. The ground under the floor shall be permitted to be excavated to the elevation of the top of the footing.

c. Interior stud-bearing walls shall be permitted to be supported by isolated footings. The footing width and length shall be twice the width shown in this table, and footings shall be spaced not more than 6 feet on center. Not Adopted.

d. See Section 1905 for additional requirements for concrete footings of structures assigned to Seismic Design Category C, D, E or F.

e. For thickness of foundation walls, see Section 1807.1.6.

f. Footings shall be permitted to support a roof addition to the stipulated number of floors. Footings supporting roof only shall be as required for supporting one floor.

g. Plain concrete footings for Group R-3 occupancies shall be permitted to be 6 inches thick.

Section 1809.12 of the 2019 CBC is amended to read as follows:

1809.12 Timber footings. Timber footings shall be permitted for buildings of Type V construction and as otherwise approved by the building official. Such footings shall be treated in accordance with AWPA U1 (Commodity Specification A, Use Category 4B). Treated timbers are not required where placed entirely below permanent water level, or where used as capping for wood piles that project above the water level over submerged or marsh lands. The compressive stresses perpendicular to grain in untreated timber footing supported upon treated piles shall not exceed 70 percent of the allowable stresses for the species and grade of timber as specified in the ANSI/AWC NDS. <u>Timber footings shall not be used in structures assigned to Seismic</u> Design Category D, E or F.

Section 1810.3.2.4 of the 2019 CBC is amended to read as follows:

1810.3.2.4 Timber. Timber deep foundation elements shall be designed as piles or poles in accordance with ANSI/AWC NDS. Round timber elements shall conform to ASTM D 25. Sawn timber elements shall conform to DOC PS-20. <u>Timber</u>

1	deep foundation elements shall not be used in structures assigned to Seismic
2	Design Category D, E or F.
3	
4	Section 1905.1.7 of the 2019 CBC is amended to read as follows:
5	1905.1.7 ACI 318, Section 14.1.4. Delete ACI 318, Section 14.1.4, and replace
6	with the following:
7	14.1.4 – Plain concrete in structures assigned to Seismic Design Category C, D,
8	E or F.
9	14.1.4.1 – Structures assigned to Seismic Design Category C, D, E or F shall not
10	have elements of structural plain concrete, except as follows:
11	(a) Structural plain concrete basement, foundation or other walls below the
12	base as defined in ASCE 7 are permitted in detached one- and two-family
13	dwellings three stories or less in height constructed with stud-bearing
14	walls. In dwellings assigned to Seismic Design Category D or E, the
15	height of the wall shall not exceed 8 feet (2438 mm), the thickness shall
16	not be less than 7½ inches (190 mm), and the wall shall retain no more
17	than 4 feet (1219 mm) of unbalanced fill. Walls shall have reinforcement in
18	accordance with 14.6.1. Concrete used for fill with a minimum cement
19	content of two (2) sacks of Portland cement or Cementous material per
20	<u>cubic yard.</u>
21	(b) Isolated footings of plain concrete supporting pedestals or columns are
22	permitted, provided the projection of the footing beyond the face of the
23	supported member does not exceed the footing thickness.
24	Exception: In detached one- and two-family dwellings three stories or less
25	in height, the projection of the footing beyond the face of the supported
26	member is permitted to exceed the footing thickness.
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1	(c) Plain concrete footings supporting walls are permitted provided the
2	footings have at least two continuous longitudinal reinforcing bars. Bars
3	shall not be smaller than No. 4 and shall have a total area of not less than
4	0.002 times the gross cross-sectional area of the footing. For footings that
5	exceed 8 inches (203 mm) in thickness, aA minimum of one bar shall be
6	provided at the top and bottom of the footing. Continuity of reinforcement
7	shall be provided at corners and intersections.
8	Exceptions:
9	1. In Seismic Design Categories A, B and C, Detached one- and two-
10	family dwellings three stories or less in height and constructed with
11	stud-bearing walls, are permitted to have plain concrete footings
12	without longitudinal reinforcement with at least two continuous
13	longitudinal reinforcing bars not smaller than No. 4 are permitted to
14	have a total area of less than 0.002 times the gross cross-sectional
15	area of the footing.
16	2. For foundation systems consisting of a plain concrete footing and a
17	plain concrete stemwall, a minimum of one bar shall be provided at the
18	top of the stemwall and at the bottom of the are footing.
19	3. Where a slab on ground is cast monolithically with the footing, one No.
20	5 bar is permitted to be located at either the top of the slab or bottom
21	of the footing.
22	
23	Section 1905.1 is amended and Sections 1905.1.9 thru 1905.1.11 are added
24	to Chapter 19 of the 2019 CBC to read as follows:
25	1905.1 General. The text of ACI 318 shall be modified as indicated in Sections
26	1905.1.1 through 1905.1.8 <u>1905.1.11</u> .
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1	1905.1.9 ACI 318, Section 18.7.5. Modify ACI 318, Section 18.7.5, by adding
2	Section 18.7.5.7 and 18.7.5.8 as follows:
3	18.7.5.7 Where the calculated point of contraflexure is not within the middle
4	half of the member clear height, provide transverse reinforcement as
5	specified in ACI 318 Sections 18.7.5.1, Items (a) through (c), over the full
6	height of the member.
7	<u>18.7.5.8 – At any section where the design strength, φP_n, of the column is</u>
8	less than the sum of the shears Ve computed in accordance with ACI 318
9	Sections 18.7.6.1 and 18.6.5.1 for all the beams framing into the column
10	above the level under consideration, transverse reinforcement as specified in
11	ACI 318 Sections 18.7.5.1 through 18.7.5.3 shall be provided. For beams
12	framing into opposite sides of the column, the moment components are
13	permitted to be assumed to be of opposite sign. For the determination of the
14	design strength, φP_n , of the column, these moments are permitted to be
15	assumed to result from the deformation of the frame in any one principal axis.
16	1905.1.10 ACI 318, Section 18.10.4. Modify ACI 318, Section 18.10.4, by
17	adding Section 18.10.4.6 as follows:
18	<u>18.10.4.6 – Walls and portions of walls with $P_u > 0.35P_o$ shall not be</u>
19	considered to contribute to the calculated shear strength of the structure for
20	resisting earthquake-induced forces. Such walls shall conform to the
21	requirements of ACI 318 Section 18.14.
22	1905.1.11 ACI 318, Section 18.12.6. Modify ACI 318, by adding Section
23	<u>18.12.6.2 as follows:</u>
24	18.12.6.2 Collector and boundary elements in topping slabs placed over
25	precast floor and roof elements shall not be less than 3 inches (76 mm) or 6
26	d_b in thickness, where d_b is the diameter of the largest reinforcement in the
27	topping slab.
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2	Section 2304.10.1 of the 2019 CBC is amended to read as follows:
3	2304.10.1 Fastener requirements. Connections for wood members shall be
4	designed in accordance with the appropriate methodology in Section 2301.2. The
5	number and size of fasteners connecting wood members shall not be less than that set
6	forth in Table 2304.10.1. Staple fasteners in Table 2304.10.1 shall not be used to resist
7	or transfer seismic forces in structures assigned to Seismic Design Category D, E or F.
8	Exception: Staples may be used to resist or transfer seismic forces when the
9	allowable shear values are substantiated by cyclic testing and approved by the building
10	official.
11	
12	Section 2304.10.2.1 is added to Chapter 23 of the 2019 CBC to read as
13	follows:
14	2304.10.2.1 Quality of Nails. In Seismic Design Category D, E or F,
15	mechanically driven nails used in wood structural panel shear walls shall meet the
16	same dimensions as that required for hand-driven nails, including diameter, minimum
17	length and minimum head diameter. Clipped head or box nails are not permitted in new
18	construction. The allowable design value for clipped head nails in existing construction
19	may be taken at no more than the nail-head-area ratio of that of the same size hand-
20	driven nails.
21	
22	Section 2304.12.5 of the 2019 CBC is amended to read as follows:
23	2304.12.5 Wood used in retaining walls and cribs. Wood installed in retaining
24	or crib walls shall be preservative treated in accordance with AWPA U1 for soil and
25	fresh water use. Wood shall not be used in retaining or crib walls for structures
26	assigned to Seismic Design Category D, E or F.
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1	Section 2305.4 is added to Chapter 23 of the 2019 CBC to read as follows:
2	2305.4 Hold-down connectors. In Seismic Design Category D, E or F, hold-
3	down connectors shall be designed to resist shear wall overturning moments using
4	approved cyclic load values or 75 percent of the allowable seismic load values that do
5	not consider cyclic loading of the product. Connector bolts into wood framing shall
6	require steel plate washers on the post on the opposite side of the anchorage device.
7	Plate size shall be a minimum of 0.229 inch by 3 inches by 3 inches (5.82 mm by 76
8	mm by 76 mm) in size. Hold-down connectors shall be tightened to finger tight plus one
9	half (1/2) wrench turn just prior to covering the wall framing.
10	
11	Section 2306.2 of the 2019 CBC is amended to read as follows:
12	2306.2 Wood-frame diaphragms. Wood-frame diaphragms shall be designed
13	and constructed in accordance with AWC SDPWS. Where panels are fastened to
14	framing members with staples, requirements and limitations of AWC SDPWS shall be
15	met and the allowable shear values set forth in Table 2306.2(1) or 2306.2(2) shall only
16	be permitted for structures assigned to Seismic Design Category A, B, or C.
17	Exception: Allowable shear values where panels are fastened to framing
18	members with staples may be used if such values are substantiated by cyclic testing
19	and approved by the building official.
20	The allowable shear values in Tables 2306.2(1) and 2306.2(2) are permitted to
21	be increased 40 percent for wind design.
22	Wood structural panel diaphragms used to resist seismic forces in structures
23	assigned to Seismic Design Category D, E or F shall be applied directly to the framing
24	members.
25	Exception: Wood structural panel diaphragms are permitted to be fastened over
26	solid lumber planking or laminated decking, provided the panel joints and lumber
27	planking or laminated decking joints do not coincide.
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2	Section 2306.3 of the 2019 CBC is amended to read as follows:
3	2306.3 Wood-frame shear walls. Wood-frame shear walls shall be designed
4	and constructed in accordance with AWC SDPWS. For structures assigned to
5	Seismic Design Category D, E, or F, application of Tables 4.3A and 4.3B of AWC
6	SDPWS shall include the following:
7	1. Wood structural panel thickness for shear walls shall not be less than 3/8
8	inch thick and studs shall not be spaced at more than 16 inches on
9	<u>center.</u>
10	2. The maximum nominal unit shear capacities for 3/8 inch wood structural
11	panels resisting seismic forces in structures assigned to Seismic Design
12	Category D, E or F is 400 pounds per linear foot (plf).
13	Exception: Other nominal unit shear capacities may be permitted if such
14	values are substantiated by cyclic testing and approved by the building
15	official.
16	3. Nails shall be placed not less than 1/2 inch in from the panel edges and
17	not less than 3/8 inch from the edge of the connecting members for shear
18	greater than 350 plf using ASD or 500 plf using LRFD. Nails shall be
19	placed not less than 3/8 inch from panel edges and not less than 1/4 inch
20	from the edge of the connecting members for shears of 350 plf or less
21	using ASD or 500 plf or less using LRFD.
22	4. Table 4.3B application is not allowed for structures assigned to Seismic
23	Design Category D, E, or F.
24	For structures assigned to Seismic Design Category D, application of Table
25	4.3C of AWC SDPWS shall not be used below the top level in a multi-
26	level building.
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1	Where panels are fastened to framing members with staples, requirements
2	and limitations of AWC SDPWS shall be met and the allowable shear values set
3	forth in Table 2306.3(1), 2306.3(2) or 2306.3(3) shall only be permitted for
4	structures assigned to Seismic Design Category A, B, or C.
5	
6	Exception: Allowable shear values where panels are fastened to framing
7	members with staples may be used if such values are substantiated by
8	cyclic testing and approved by the building official.
9	The allowable shear values in Tables 2306.3(1) and 2306.3(2) are permitted
10	to be increased 40 percent for wind design. Panels complying with ANSI/APA PRP-
11	210 shall be permitted to use design values for Plywood Siding in the AWC
12	SDPWS.
13	
14	Section 2307.2 is added to the 2019 CBC to read as follows:
15	2307.2 Wood-frame shear walls. Wood-frame shear walls shall be designed
16	and constructed in accordance with Section 2306.3 as applicable.
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Table 2308.6.1 of the 2019 CBC is amended to read as follows:

2				WALL B	TABLE 2308.6.1 ^a RACING REQUIREMENTS		
3 4	SEISMIC DESIGN CATEGOR	STORY CONDITION (SEE SECTION 2308.2)	DITION (SEE BRACED	BRACED PANEL LOCATION, SPACING (O.C.) AND MINIMUM PERCENTAGE (X)		MAXIMUM DISTANCE OF BRACED WALL PANELS FROM EACH END OF BRACED	
_		020110112000.2	WALL LINES		Bracing method	þ	WALL LINE
5				LIB	DWB, WSP	SFB, PBS, PCP, HPS, GB ^{c,d}	
6 7			35'- 0"	Each end and ≤ 25'- 0" o.c.	Each end and ≤ 25'- 0" o.c.	Each end and ≤ 25'- 0" o.c.	12'- 6"
8	A and B		35'- 0″	Each end and ≤ 25'- 0" o.c.	Each end and ≤ 25'- 0" o.c.	Each end and ≤ 25'- 0" o.c.	12'- 6"
9							
10			35'- 0″	NP	Each end and ≤ 25'- 0" o.c.	Each end and ≤ 25'- 0" o.c.	12'- 6"
11 12			35'- 0"	NP	Each end and ≤ 25'- 0" o.c.	Each end and ≤ 25'- 0" o.c.	12'- 6"
13 14	С		35'- 0"	NP	Each end and ≤ 25'- 0" o.c. (minimum 25% of wall length) ^e	Each end and ≤ 25'- 0" o.c. (minimum 25% of wall length) ^e	12'- 6"
15 16	<u>г.е. h</u> D and E		25'- 0"	NP	$S_{DS} < 0.50$: Each end and $\leq 25'$ - 0" o.c. (minimum 21% of wall length) ^e	$S_{DS} < 0.50$: Each end and $\leq 25' - 0''$ o.c. (minimum 43% of wall length) ^e	
17 18		<u>h</u>			$0.5 \leq S_{DS} < 0.75$: Each end and $\leq 25' - 0''$ o.c. (mini- mum 32% of wall length) ^e	$0.5 \leq S_{DS} < 0.75$: Each end and $\leq 25'$ - 0" o.c. (minimum 59% of wall length) ^e	8'- 0"
19					$0.75 \le S_{DS} \le 1.00$: Each end and $\le 25'$ - 0" o.c. (mini- mum 37% of wall length)°	$0.75 \le S_{DS} \le 1.00$: Each end and $\le 25' - 0''$ o.c. (minimum 75% of wall length)	
20 21					$S_{DS} > 1.00$: Each end and $\leq 25'$ - 0" o.c. (minimum 48% of wall length) ^e	$S_{DS} > 1.00$: Each end and $\leq 25'$ - 0" o.c. (minimum 100% of wall length) ^e	
22	For SI: 1 incl	n = 25.4 mm, 1 foot = 3					
23	NP = Not Per a. This table	mitted.	uirements for br		along interior or exterior braced	wall lines.	
24					at are spaced at 16 inches on cen only one face of a braced wall p		
25	e. Percentage <u>f.</u> DWB, SFI	shown represents the 3, PBS, and HPS wall b	minimum amoun praces are not per	nt of bracing requirmitted in Seismi	ired along the building length (o c Design Catergories D or E.	r wall length if the structure has a	
26	be at least (38 mm) o	g. Minimum length of panel bracing of one face of the wall for WSP sheathing shall be at least 4'-0" long or both faces of the wall for GB or PCP sheathing shall be at least 8'-0" long; h/w ratio shall not exceed 2:1. Wall framing to which sheathing used for bracing is applied shall be nominal 2 inch wide factual 1 1/2 inc (38 mm) or larger members and spaced a maximum of 16 inches on center. Braced wall panel construction types shall not be mixed within a braced wall line. h. WSP sheathing shall be a minimum of 15/32" thick nailed with 8d common placed 3/8 inches from panel edges and spaced not more than 6 inches on center and spaced not more than 6 inches on center and spaced be and spaced not more than 6 inches on center and spaced be and spaced not more than 6 inches on center and spaced be and spaced not more than 6 inches on center and spaced be and spaced not more than 6 inches on center and spaced be and spaced not more than 6 inches on center and spaced be and spaced not more than 6 inches on center and spaced be and spaced not more than 6 inches on center and spaced be an				inch wide [actual 1 1/2 inch within a braced wall line.	
27	12 inches	on center along interme	diate framing m	embers.			
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Section 2308.6.5, 2308.6.5.1, and 2308.6.5.2 and Figures 2308.6.5.1 and 2308.6.5.1 of the 2019 CBC are amended to read as follows:

2308.6.5 Alternative bracing. An alternate braced wall (ABW) or a portal frame with hold-downs (PFH) described in this section is permitted to substitute for a 48-inch (1219 mm) braced wall panel of Method DWB, WSP, SFB, PBS, PCP or HPS. For Method GB, each 96-inch (2438 mm) section (applied to one face) or 48-inch (1219 mm) section (applied to both faces) or portion thereof required by Table 2308.6.1 is permitted to be replaced by one panel constructed in accordance with Method ABW or PFH.

2308.6.5.1 Alternate braced wall (ABW). An ABW shall be constructed in accordance with this section and Figure 2308.6.5.1. In one-story buildings, each panel shall have a length of not less than 2 feet 8 inches (813 mm) and a height of not more than 10 feet (3048 mm). Each panel shall be sheathed on one face with 3/8-inch (3.2 mm) minimum-thickness wood structural panel sheathing nailed with 8d common or galvanized box nails in accordance with Table 2304.10.1 and blocked at wood structural panel edges. For structures assigned to Seismic Design Category D or E, each panel shall be sheathed on one face with 15/32-inch-minimum-thickness (11.9 mm) wood structural panel sheathing nailed with 8d common nails spaced 3 inches on panel edges, 3 inches at intermediate supports. Two anchor bolts installed in accordance with Section 2308.3.1 shall be provided in each panel. Anchor bolts shall be placed at each panel outside quarter points. Each panel end stud shall have a hold-down device fastened to the foundation, capable of providing an approved uplift capacity of not less than 1,800 pounds (8006 N). hold-down device shall be installed in accordance with the The manufacturer's recommendations. The ABW shall be supported directly on a

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foundation or on floor framing supported directly on a foundation that is continuous across the entire length of the braced wall line. This foundation shall be reinforced with not less than one No. 4 bar top and bottom. Where the continuous foundation is required to have a depth greater than 12 inches (305 mm), a minimum 12-inch by 12-inch (305 mm by 305 mm) continuous footing or turned-down slab edge is permitted at door openings in the braced wall line. This continuous footing or turned-down slab edge shall be reinforced with not less than one No. 4 bar top and bottom. This reinforcement shall be lapped 15 <u>24</u> inches (381 <u>610</u> mm) with the reinforcement required in the continuous foundation located directly under the braced wall line.

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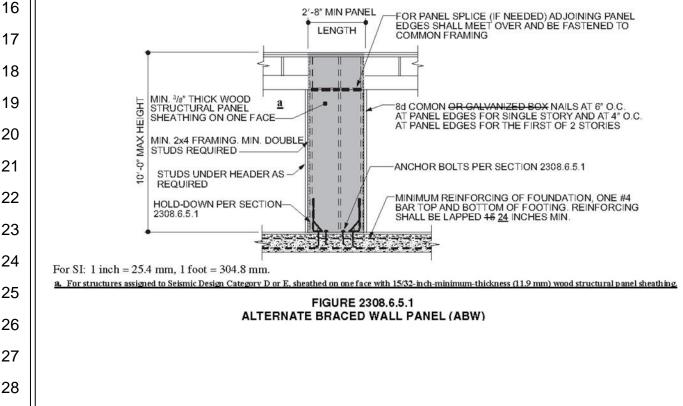
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Where the ABW is installed at the first story of two-story buildings, the wood structural panel sheathing shall be provided on both faces, three anchor bolts shall be placed at one-quarter points and tie-down device uplift capacity shall be not less than 3,000 pounds (13 344 N).



2308.6.5 Alternative bracing. An alternate braced wall (ABW) or a portal frame with hold-downs (PFH) described in this section is permitted to substitute for a 48-inch (1219 mm) braced wall panel of Method DWB, WSP, SFB, PBS, PCP or HPS. For Method GB, each 96-inch (2438 mm) section (applied to one face) or 48-inch (1219 mm) section (applied to both faces) or portion thereof required by Table 2308.6.1 is permitted to be replaced by one panel constructed in accordance with Method ABW or PFH.

2308.6.5.1 Alternate braced wall (ABW). An ABW shall be constructed in accordance with this section and Figure 2308.6.5.1. In one-story buildings, each panel shall have a length of not less than 2 feet 8 inches (813 mm) and a height of not more than 10 feet (3048 mm). Each panel shall be sheathed on one face with 3/8-inch (3.2 mm) minimum-thickness wood structural panel sheathing nailed with 8d common or galvanized box nails in accordance with Table 2304.10.1 and blocked at wood structural panel edges. For structures assigned to Seismic Design Category D or E, each panel shall be sheathed on one face with 15/32-inch-minimum-thickness (11.9 mm) wood structural panel sheathing nailed with 8d common nails spaced 3 inches on panel edges, 3 inches at intermediate supports. Two anchor bolts installed in accordance with Section 2308.3.1 shall be provided in each panel. Anchor bolts shall be placed at each panel outside quarter points. Each panel end stud shall have a hold-down device fastened to the foundation, capable of providing an approved uplift capacity of not less than 1,800 pounds (8006 N). hold-down device shall be installed in accordance with the The manufacturer's recommendations. The ABW shall be supported directly on a foundation or on floor framing supported directly on a foundation that is continuous across the entire length of the braced wall line. This foundation shall be reinforced with not less than one No. 4 bar top and bottom. Where

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the continuous foundation is required to have a depth greater than 12 inches (305 mm), a minimum 12-inch by 12-inch (305 mm by 305 mm) continuous footing or turned-down slab edge is permitted at door openings in the braced wall line. This continuous footing or turned-down slab edge shall be reinforced with not less than one No. 4 bar top and bottom. This reinforcement shall be lapped 15 <u>24</u> inches (381 <u>610</u> mm) with the reinforcement required in the continuous foundation located directly under the braced wall line.

Where the ABW is installed at the first story of two-story buildings, the wood structural panel sheathing shall be provided on both faces, three anchor bolts shall be placed at one-quarter points and tie-down device uplift capacity shall be not less than 3,000 pounds (13 344 N).

2308.6.5.2 Portal frame with hold-downs (PFH). A PFH shall be constructed in accordance with this section and Figure 2308.6.5.2. The adjacent door or window opening shall have a full-length header.

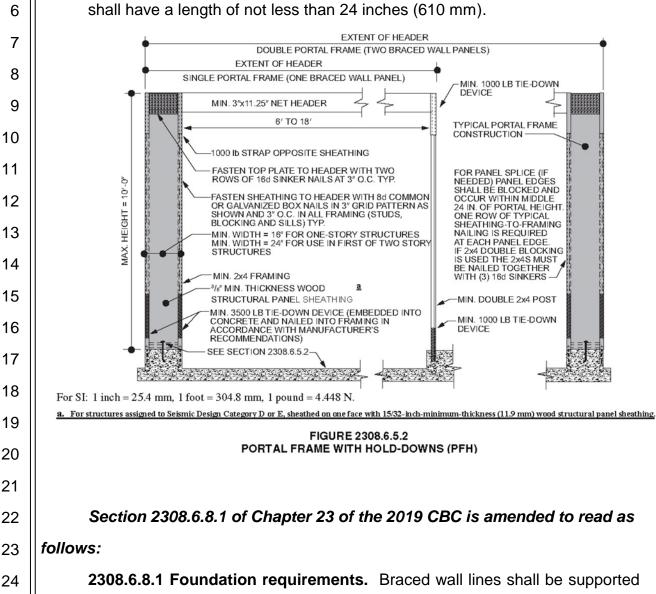
In one-story buildings, each panel shall have a length of not less than 16 inches (406 mm) and a height of not more than 10 feet (3048 mm). Each panel shall be sheathed on one face with a single layer of 3/8-inch (9.5 mm) minimum-thickness wood structural panel sheathing nailed with 8d common or galvanized box nails in accordance with Figure 2308.6.5.2. For structures assigned to Seismic Design Category D or E, each panel shall be sheathed on one face with 15/32-inch-minimum-thickness (11.9 mm) wood structural panel sheathing nailed with 8d common nails spaced 3 inches on panel edges, 3 inches at intermediate supports and in accordance with Figure 2308.6.5.2. The wood structural panel sheathing shall extend up over the solid sawn or glued-laminated header and shall be nailed in accordance with Figure 2308.6.5.2. A built-up header consisting of at least two 2-inch by 12-

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inch (51 mm by 305 mm) boards, fastened in accordance with Item 24 of Table 2304.10.1 shall be permitted to be used. A spacer, if used, shall be placed on the side of the built-up beam opposite the wood structural panel sheathing. The header shall extend between the inside faces of the first full-length outer studs of each panel. The clear span of the header between the inner studs of each panel shall be not less than 6 feet (1829 mm) and not more than 18 feet (5486 mm) in length. A strap with an uplift capacity of not less than 1,000 pounds (4,400 N) shall fasten the header to the inner studs opposite the sheathing. One anchor bolt not less than 5/8-inch (15.9 mm) diameter and installed in accordance with Section 2308.3.1 shall be provided in the center of each sill plate. The studs at each end of the panel shall have a hold-down device fastened to the foundation with an uplift capacity of not less than 3,500 pounds (15 570 N).

Where a panel is located on one side of the opening, the header shall extend between the inside face of the first full-length stud of the panel and the bearing studs at the other end of the opening. A strap with an uplift capacity of not less than 1,000 pounds (4400 N) shall fasten the header to the bearing studs. The bearing studs shall also have a hold-down device fastened to the foundation with an uplift capacity of not less than 1,000 pounds (4400 N). The hold-down devices shall be an embedded strap type, installed in accordance with the manufacturer's recommendations. The PFH panels shall be supported directly on a foundation that is continuous across the entire length of the braced wall line. This foundation shall be reinforced with not less than one No. 4 bar top and bottom. Where the continuous foundation is required to have a depth greater than 12 inches (305 mm), a minimum 12-inch by 12inch (305 mm by 305 mm) continuous footing or turned-down slab edge is permitted at door openings in the braced wall line. This continuous footing or

turned-down slab edge shall be reinforced with not less than one No. 4 bar top and bottom. This reinforcement shall be lapped not less than 45 24 inches (381 610 mm) with the reinforcement required in the continuous foundation located directly under the braced wall line. Where a PFH is installed at the first story of two-story buildings, each panel



by continuous foundations.

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1	Exception : For structures with a maximum plan dimension not more than 50
2	feet (15240 mm), continuous foundations are required at exterior walls only
3	for structures assigned to Seismic Design Category A, B, or C.
4	For structures in Seismic Design Categories D and E, exterior braced wall
5	panels shall be in the same plane vertically with the foundation or the portion of the
6	structure containing the offset shall be designed in accordance with accepted
7	engineering practice and Section 2308.1.1.
8	Exceptions:
9	 Exterior braced wall panels shall be permitted to be located not more than 4 feet (1219 mm) from the foundation below where supported by a floor
10	constructed in accordance with all of the following:
11	1.1. Cantilevers or setbacks shall not exceed four times the nominal depth of the floor joists.
12	1.2. Floor joists shall be 2 inches by 10 inches (51 mm by 254 mm) or larger and spaced not more than 16 inches (406 mm) on center.
13	1.3. The ratio of the back span to the cantilever shall be not less than 2 to 1.
14	1.4. Floor joists at ends of braced wall panels shall be doubled.
15	1.5. A continuous rim joist shall be connected to the ends of cantilevered joists. The rim joist is permitted to be spliced using a
16	metal tie not less than 0.058 inch (1.47 mm) (16 galvanized gage) and
17	11/2 inches (38 mm) in width fastened with six 16d common nails on each side. The metal tie shall have a yield stress not less than 33,000
	psi (227 MPa).
18	1.6. Joists at setbacks or the end of cantilevered joists shall not carry gravity loads from more than a single story having uniform wall
19	and roof loads nor carry the reactions from headers having a span of 8 feet (2438 mm) or more.
20	2. The end of a required braced wall panel shall be allowed to extend not
21	more than 1 foot (305 mm) over an opening in the wall below. This requirement is applicable to braced wall panels offset in plane and braced
22	wall panels offset out of plane as permitted by Exception 1. Braced wall
23	panels are permitted to extend over an opening not more than 8 feet (2438 mm) in width where the header is a 4-inch by 12-inch (102 mm by
24	305 mm) or larger member.
25	Section 2308.6.9 of the 2019 CBC is amended to read as follows:
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1	2308.6.9 Attachment of sheathing. Fastening of braced wall panel sheathing
2	shall not be less than that prescribed in Tables 2308.6.1 or 2304.10.1. Wall sheathing
3	shall not be attached to framing members by adhesives. Staple fasteners in Table
4	2304.10.1 shall not be used to resist or transfer seismic forces in structures assigned to
5	Seismic Design Category D, E or F.
6	Exception: Staples may be used to resist or transfer seismic forces when the
7	allowable shear values are substantiated by cyclic testing and approved by the building
8	official.
9	All braced wall panels shall extend to the roof sheathing and shall be attached to
10	parallel roof rafters or blocking above with framing clips (18-gauge minimum) spaced at
11	maximum 24 inches (6096 mm) on center with four 8d nails per leg (total eight 8d nails
12	per clip). Braced wall panels shall be laterally braced at each top corner and at
13	maximum 24 inches (6096 mm) intervals along the top plate of discontinuous vertical
14	framing.
15	
16	Section 3114 is added to and Section 202, Section 3101.1 and Chapter 35 of
17	the 2019 Edition of the California Building Code is amended to read as follows:
18	SECTION 202
19	DEFINITIONS
20	INTERMODAL SHIPPING CONTAINER. A six-sided steel unit originally
21	constructed as a general cargo container used for the transport of goods and materials.
22	SECTION 3101
23	GENERAL
24	3101.1 Scope. The provisions of this chapter shall govern special building
25	construction including membrane structures, temporary structures, pedestrian walkways
26	and tunnels, automatic vehicular gates, awnings and canopies, marquees, signs,
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1	towers, antennas, relocatable buildings, swimming pool enclosures and safety devices,
2	solar energy systems, and intermodal shipping containers.
3	SECTION 3114
4	INTERMODAL SHIPPING CONTAINERS
5	3114.1 General. The provisions of Section 3114 and other applicable sections of
6	this code shall apply to intermodal shipping containers that are repurposed for use as
7	buildings or structures or as a part of buildings or structures.
8	Exceptions:
9	1. Stationary storage battery arrays located in intermodal shipping containers
10	complying with Chapter 12 of the California Fire Code.
11	2. Intermodal shipping containers that are listed as equipment complying with the
12	standard for equipment, such as air chillers, engine generators, modular
13	datacenters, and other similar equipment.
14	3. Intermodal shipping containers housing or supporting experimental equipment
15	are exempt from the requirements of Section 3114 provided they comply with all
16	of the following:
17	3.1. Single-unit stand-alone intermodal shipping containers shall be
18	supported at grade level and used only for occupancies as specified under Risk
19	Category I in Table 1604.5;
20	3.2. Single-unit stand-alone intermodal shipping containers shall be
21	located a minimum of 8 feet from adjacent structures and are not connected to a
22	fuel gas system or fuel gas utility; and
23	3.3. In hurricane-prone regions and flood hazard areas, single-unit stand-
24	alone intermodal shipping containers are designed in accordance with the
25	applicable provisions of Chapter 16.
26	4. Intermodal shipping containers approved as temporary structures complying
27	with Section 3103.
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1	5. Single-unit stand-alone intermodal shipping containers used as temporary		
2	storage or construction trailer on active construction sites. Construction support		
3	facilities for uses and activities not directly associated with the actual processes		
4	of construction, including but not limited to, offices, meeting rooms, plan rooms,		
5	other administrative or support functions shall not be exempt from Section 3114.		
6	3114.2 Construction documents. The construction documents shall contain		
7	information to verify the dimensions and establish the physical properties of the steel		
8	components, and wood floor components, of the intermodal shipping container in		
9	addition to the information required by Sections 107 and 1603.		
10	3114.3 Intermodal shipping container information. Intermodal shipping		
11	containers shall bear the manufacturer's existing data plate containing the following		
12	information as required by ISO 6346 and verified by an approved agency. A report of		
13	the verification process and findings shall be provided to the building owner.		
14	1. Manufacturer's name or identification number		
15	2. Date manufactured		
16	3. Safety approval number		
17	4. Identification number		
18	5. Maximum operating gross mass or weight (kg) (lbs)		
19	6. Allowable stacking load for 1.8G (kg) (lbs)		
20	7. Transverse racking test force (Newtons)		
21	8. Valid maintenance examination date		
22	Where approved by the building official, the markings and manufacturer's		
23	existing data plate are permitted to be removed from the intermodal shipping containers		
24	before they are repurposed for use as buildings or structures or as part of buildings or		
25	structures.		
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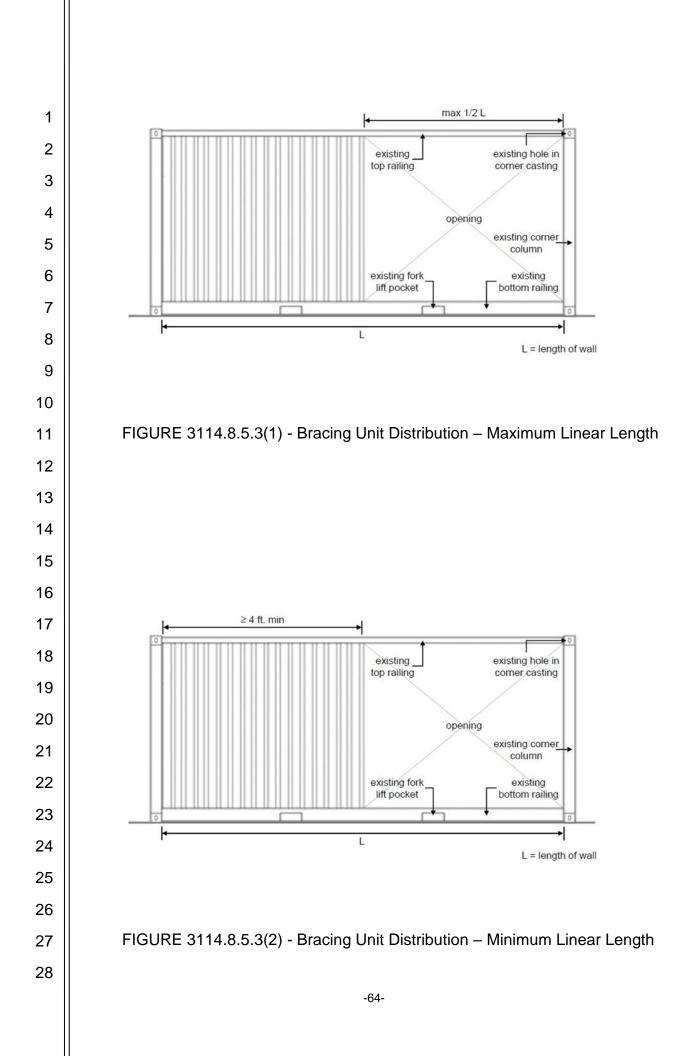
1	3114.4 Protection against decay and termites. Wood structural floors of		
2	intermodal shipping containers shall be protected from decay and termites in		
3	accordance with the applicable provisions of Section 2304.12.1.1.		
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5	3114.5 Under-floor ventilation. The space between the bottom of the floor		
6	joists and the earth under any intermodal shipping container, except spaces occupied		
7	shipping by basements and cellars, shall be provided with ventilation in accordance with		
8	Section 1202.4.		
9	3114.6 Roof assemblies. Intermodal shipping container roof assemblies shall		
10	comply with the applicable requirements of Chapter 15.		
11	Exception: Single-unit stand-alone intermodal shipping containers not attached		
12	to, or stacked vertically over, other intermodal shipping containers, buildings or		
13	structures.		
14	3114.7 Joints and voids. Joints and voids that create concealed spaces		
15	between intermodal shipping containers, that are connected or stacked, at fire-		
16	resistance-rated walls, floor or floor/ceiling assemblies and roofs or roof/ceiling		
17	assemblies shall be protected by an approved fire-resistant joint system in accordance		
18	with Section 715.		
19	3114.8 Structural. Intermodal shipping containers that conform to ISO 1496-1		
20	and are repurposed for use as buildings or structures, or as a part of buildings or		
21	structures, shall be designed in accordance with Chapter 16 and this section.		
22	3114.8.1 Foundations. Intermodal shipping containers repurposed for use as a		
23	permanent building or structure shall be supported on foundations or other supporting		
24	structures designed and constructed in accordance with Chapters 16 through 23.		
25	3114.8.1.1 Anchorage. Intermodal shipping containers shall be anchored to		
26	foundations or other supporting structures as necessary to provide a continuous load		
27	path for all applicable design and environmental loads in accordance with Chapter 16.		
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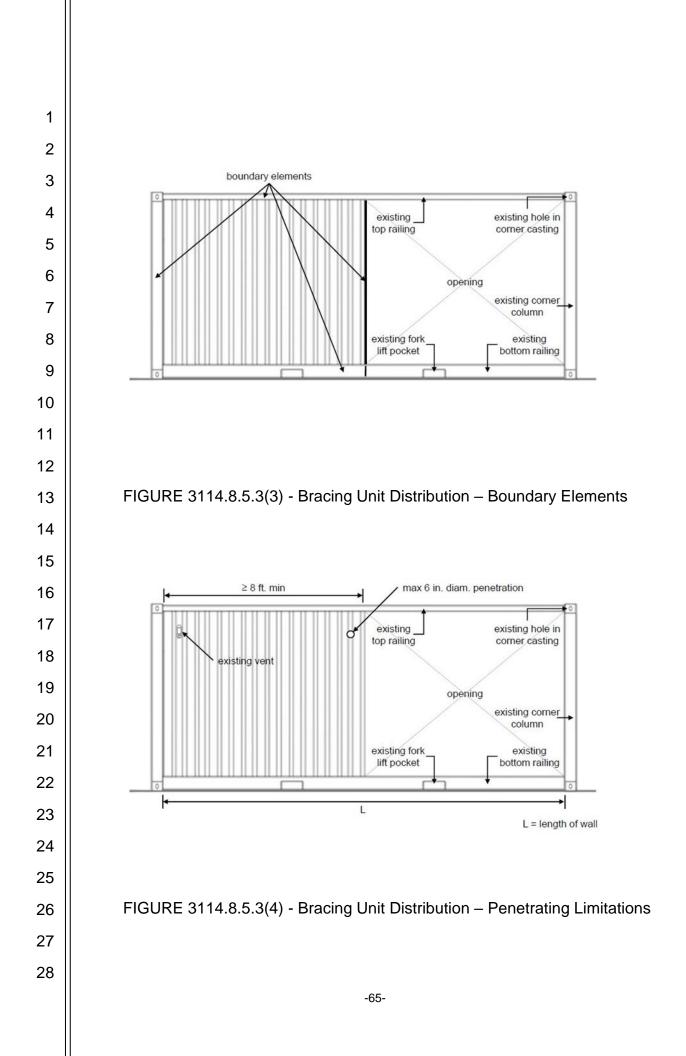
1	3114.8.2 Welds. All new welds and connections shall be equal to or greater than
2	the original connections.
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4	3114.8.3 Openings in containers. Where openings are made in container
5	walls, floors, and roofs for doors, windows and other similar openings:
6	1.The openings shall be framed with steel elements that are designed in
7	accordance with Chapter 16 and Chapter 22.
8	2. The cross section and material grade of any new steel element shall be equal
9	to or greater than the steel element removed.
10	3114.8.4 Detailed structural design procedure. A structural analysis meeting
11	the requirements of this section shall be provided to the building official to demonstrate
12	the structural adequacy of the intermodal containers.
13	Exception: Intermodal shipping containers that meet the limitation of Section
14	3114.8.5.1 and designed in accordance with the simplified procedure in Section
15	<u>3114.8.5.</u>
16	3114.8.4.1 Material properties. Structural material properties for existing
17	intermodal shipping container steel components shall be established by material testing
18	where the steel grade and composition cannot be identified by the manufacturer's
19	designation as to manufacture and mill test.
20	3114.8.4.2 Seismic design parameters. The seismic force-resisting system
21	shall be designed and detailed in accordance with one of the following:
22	1.Where all or portions of the intermodal shipping container sides are considered
23	to be the seismic force-resisting system, design and detailing shall be in accordance
24	with the ASCE 7 Table 12.2-1 requirements for light-frame bearing-wall systems with
25	shear panels of all other materials,
26	2.Where portions of intermodal shipping container sides are retained, but are not
27	considered to be the seismic force-resisting system, an independent seismic force-
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1	resisting system shall be selected, designed and detailed in accordance with ASCE 7		
2	Table 12.2-1, or		
3	3.Where portions of the intermodal shipping container sides are retained and		
4	integrated into a seismic force-resisting system other than as permitted by Section		
5	3114.8.4.2 Item 1, seismic design parameters shall be developed from testing and		
6	analysis in accordance with Section 104.11 and ASCE 7 Section 12.2.1.1 or 12.2.1.2.		
7	3114.8.4.3 Allowable shear value. The allowable shear values for the		
8	intermodal shipping container side walls and end walls shall be demonstrated by testing		
9	and analysis accordance with Section 104.11. Where penetrations are made in the side		
10	walls or end walls designated as part of the lateral force-resisting system, the		
11	penetrations shall be substantiated by rational analysis.		
12	3114.8.5 Simplified structural design procedure of single-unit containers.		
13	Single-unit intermodal shipping containers conforming to the limitations of Section		
14	3114.8.5.1 shall be permitted to be designed in accordance with Sections 3114.8.5.2		
15	and 3114.8.5.3.		
16	3114.8.5.1 Limitations. Use of Section 3114.8.5 is subject to all the following		
17	limitations:		
18	1. The intermodal shipping container shall be a single stand-alone unit supported		
19	on a foundation and shall not be in contact with or supporting any other shipping		
20	container or other structure.		
21	2. The intermodal shipping container's top and bottom rails, corner castings, and		
22	columns or any portion thereof shall not be notched, cut, or removed in any		
23	manner.		
24	3. The intermodal shipping container shall be erected in a level and horizontal		
25	position with the floor located at the bottom.		
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1	3114.8.5.2 Structural design. Where permitted by Section 3114.8.5.1, single-
2	unit stand-alone intermodal shipping containers shall be designed using the
3	following assumptions for the side walls and end walls:
4	1. The appropriate detailing requirements contained in Chapters 16 through 23.
5	<u>2. Response modification coefficient, $R = 2$,</u>
6	<u>3. Over strength factor, $\Omega 0 = 2.5$,</u>
7	<u>4. Deflection amplification factor, $Cd = 2$, and</u>
8	5. Limits on structural height, hn = 9.5 feet (2900 mm).
9	3114.8.5.3 Allowable shear value. The allowable shear values for the
10	intermodal shipping container side walls (longitudinal) and end walls (transverse)
11	for wind design and seismic design using the coefficients of Section 3114.8.5.2
12	shall be in accordance with Table 3114.8.5.3, provided that all of the following
13	conditions are met:
14	1. The total linear length of all openings in any individual side walls or end walls
15	shall be limited to not more than 50 percent of the length of that side walls or end
16	walls, as shown in Figure 3114.8.5.3(1).
17	2. Any full height wall length, or portion thereof, less than 4 feet (305 mm) long
18	shall not be considered as a portion of the lateral force-resisting system, as
19	shown in Figure 3114.8.5.3(2).
20	3. All side walls or end walls used as part of the lateral force-resisting system
21	shall have an existing or new boundary element on all sides to form a continuous
22	load path, or paths, with adequate strength and stiffness to transfer all forces
23	from the point of application to the final point of resistance, as shown in Figure
24	<u>3114.8.5.3(3).</u>
25	4. A maximum of one penetration not greater than a 6-inch (152 mm) diameter
26	hole for conduits, pipes, tubes or vents, or not greater than16 square inches (10
27	322mm2) for electrical boxes, is permitted for each individual 8 feet length (2438
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1	mm) lateral force resisting wall. Penetrations located in walls that are not part of			<u>re not part of</u>	
2	the wall lateral force resisting system shall not be limited in size or quantity.			quantity.	
3	Existing intermodal shipping container's vents shall not be considered a			red a	
4	penetration, as shown in Figure 3114.8.5.3(4).				
5	<u>5. End wall d</u>	loor or doors design	nated as part of the l	ateral force-res	sisting system
6	shall be weld	led closed.			
7					
8			TABLE 3114.8.5.3		
9			<u>S FOR INTERMODA</u> VALLS FOR WIND (
		CONTAINER	CONTAINER		
10	CONTAINER DESIGNATION ²	DIMENSION (Nominal Length)	DIMENSION (Nominal Height)	ALLOWABLE S (PLF	
11				Side Wall	End Wall
12	<u>1EEE</u> 1EE	<u>45 feet (13.7 M)</u>	9.5 feet (2896 mm) 8.6 feet (2591 mm)	<u>75</u>	
13	<u>1AAA</u>		9.5 feet (2896 mm)		
14	<u>1AA</u> 1A	<u>40 feet (12.2 M)</u>	8.5 feet (2592 mm) 8.0 feet (2438 mm)	<u>84</u>	
	<u>1AX</u>		<8.0 feet (2483 mm)		
15	<u>1BBB</u> 1BB		<u>9.5 feet (2896 mm)</u> <u>8.5 feet (2591 mm)</u>	-	<u>843</u>
16	<u>1B</u>	<u>30 feet (9.1 M)</u>	8.0 feet (2438 mm)	<u>112</u>	
17	<u>1BX</u> 1CC		<u><8.0 feet (2438 mm)</u> 8.5 feet (2591 mm)		
	<u>1C</u>	<u>20 feet (9.1 M)</u>	8.0 feet (2438 mm)	<u>168</u>	
18	1 The allowable streng	th for the side walls and	< <u><8.0 feet (2438 mm)</u> d end walls of the intermodel	dal shinning cont	ainers are
19	derived from ISO 1496-	1 and reduced by a fact	tor of safety of 5.		
20	2. Container designation 3. Limitations of Section				
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I	CHAPTER 35			
2		REFERENCED STANDARDS		
-	ISO	International Organization for Standardization		
3		ISO Central Secretariat		
Ŭ		1 ch, de la Voie-Creuse, Casa Postale 566		
4		CH-1211 Geneva 20, Switzerland		
•	Standard Reference	Title	Referenced in code section	
~	Number		number	
5	Number		number	
5	ISO 1496-1:2013	Series 1 Freight Containers – Specification and	3114.8, Table 3114.8.5.3	
•		Series 1 Freight Containers – Specification and Testing – Part 1: General Cargo Containers for		
5 6				
Ū		Testing – Part 1: General Cargo Containers for		
Ū	ISO 1496-1:2013	Testing – Part 1: General Cargo Containers for General Purposes	3114.8, Table 3114.8.5.3	
6 7	ISO 1496-1:2013 ISO 6346:1995, with	Testing – Part 1: General Cargo Containers for General Purposes Freight Containers – Coding, Identification and	3114.8, Table 3114.8.5.3	
•	ISO 1496-1:2013 ISO 6346:1995, with Amendment 3: 2012	Testing – Part 1: General Cargo Containers for General Purposes Freight Containers – Coding, Identification and marking	3114.8, Table 3114.8.5.3 3114.3	

Section 3307 of the California Building Code is amended to read as follows: SECTION 3307 - Protection of Adjoining and Nearby Property and Persons. **3307.1** Protection required. Adjoining and nearby public and private property and persons making lawful use of such property shall be protected from damage during construction, remodeling and demolition work. Protection must be provided for footings, foundations, party walls, chimneys, skylights and roofs. Provisions shall be made to control water runoff and erosion during construction or demolition activities. The person making or causing an excavation to be made shall provide written notice to the owners of adjoining buildings advising them that the excavation is to be made and that the adjoining buildings should be protected. Said notification shall be delivered not less than 10 days prior to the scheduled starting date of the excavation. At the outset of new construction activities or major remodeling projects, or at the otherwise earliest time it is feasible in the opinion of the Building Official, and notwithstanding the provisions of Title 17 of the Culver City Municipal Code (the "Zoning Code"), a protective screen or fence no less than six (6) feet in height shall be erected to the satisfaction of the Building Official between the construction site and immediately adjoining properties, unless the Building Official determines that erection of a screen is not feasible or would serve no practical purpose.

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1	3307.2 The Building Official shall have the authority to stop the construction work
2	at any time that in his or her opinion said construction work has caused, is causing, or is
3	about to cause, damage to adjacent or nearby properties. Said work shall not
4	recommence until the time that the necessary corrections have been made so that no
5	further damage will occur to the affected property (unless the Building Official
6	determines that the damage will be corrected as provided in Section 3307.3) and
7	written approval is obtained from the Building Official that said work may recommence.
8	<u>3307.3</u>
9	A. If construction work causes damage to adjacent or nearby properties, the
10	Building Division shall withhold inspections of said work and stop work until (i) the
11	damage to the affected property is repaired (or repair work has commenced and is
12	continued to be performed with due diligence until completed), or (ii) the affected
13	property owner is compensated the cost of repair, or (iii) a documented agreement
14	satisfactory to the Building Official is executed to assure repair of the damage at a more
15	appropriate phase of the construction.
16	B. If there is a bona fide dispute between the owner of the damaged property
17	and the party alleged to have caused said damage, as to the cause of the damage, the
18	method or scope of repair or the cost of the repair, work may resume and inspections
19	provided only if the party performing the construction work posts a bond or cash deposit
20	with the City in an amount that the Building Official reasonably determines is sufficient
21	to cover the cost of repair. Where there exists a bona fide dispute, the issues in
22	contention are a civil matter beyond the authority of the City to resolve.
23	3307.4 The bond called for in Section 3307.3 shall be approved as to form by the
24	City Attorney. The bond or the cash deposit will be held by the City until the dispute is
25	resolved between the parties or by a court of competent jurisdiction. In the event that
26	the aggrieved party does not submit proof to the City that an action has in fact been
27	filed within one (1) year after the issuance of the Certificate of Occupancy, then the City
28	
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1 shall, unless good cause is shown, release the bond or deposit. The City shall provide 2 thirty (30) days' written notice to the aggrieved party of its intent to release the bond or 3 deposit. 3307.5 4 A. Prior to the commencement of new construction or major remodeling projects, 5 6 including but not limited to demolition of exterior walls or roofs, excavation that requires 7 shoring, sandblasting or other exterior construction activities that require a building permit, the owner or contractor shall mail written notice to the property owners and 8 9 occupants located within one hundred (100) feet of the construction site that construction will occur, along with a copy of this Section 3307. Said notice shall be 10 mailed to the affected property owners and occupants at least ten (10) days prior to any 11 12 construction taking place. The notice shall contain the following information: 1. Address where construction will occur; 13 2. Date(s) and approximate times construction will occur; 14 15 3. Name, address, telephone number and state license number of contractor; 4. Name, address and telephone number of the owner of the property on which 16 17 construction is to occur. 18 If the owner or the contractor fails to provide the required notice, the Building Official shall have the authority to stop the work until the notice is provided, in addition 19 to any other remedies provided by this Code. 20 21 B. In addition to the Notice provided for above, the contractor or building shall post a Notice at the construction site, which shall include as a minimum the date(s) and 22 approximate times construction will occur, the name and contact information of the 23 24 contractor, and the contact information for the City's Building Safety Division. **3307.6** Prior to approval of temporary shoring a geotechnical report shall be 25 26 provided certifying that the temporary shoring has been installed according the shoring 27 plan and specifying the time period for the integrity of the temporary shoring. 28 -68-

1	3307.7 The Building Official shall promulgate policies and procedures to		
2	effectuate the provisions of this Section.		
3			
4	Section J101.3 is added to the 2019 CBC to read as follows:		
5	J101.3 Hazards.		
6	1. Whenever the building official determines that any land or any existing		
7	excavation or fill has, from any cause, become a menace to life or limb, or endangers		
8	public or private property, or adversely affects the safety, use or stability of public or		
9	private property, the owner or other person in legal control of the property concerned		
10	shall, upon receipt of a written notice thereof from the building official, correct such		
11	condition in accordance with the provisions of this appendix and the requirements and		
12	conditions set forth in the notice so as to eliminate such condition. The owner or other		
13	person in legal control of the property shall immediately comply with the provisions set		
14	forth in the notice and shall complete the work within 180 days from the date of the		
15	notice unless a shorter period of time for completion has been specified in the notice in		
16	which case the owner shall comply with the shorter period of time. Upon written		
17	application and good cause shown, the building official may approve the request for an		
18	extension of time to complete the work required by the notice.		
19	2. If the above condition is not eliminated within the specified time period, the		
20	building official may file with the Office of the Los Angeles County Recorder a certificate		
21	stating that the property is deemed substandard and that the owner thereof has been		
22	so notified to correct the substandard condition. Said certificate shall specify the		
23	conditions creating the substandard classification.		
24	3. When the above conditions have been corrected to the satisfaction of the		
25	building official, upon receiving a fee from the owner or his agent, the building official		
26	shall file with the Office of the Los Angeles County Recorder, within a reasonable		
27	period of time, a certificate specifying that the conditions creating the substandard		
28			
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1	classification have been corrected and that the property is no longer considered		
2	substandard.		
3			
4	Section J101.4 is added to the 2019 CBC to read as follows:		
5	J101.4 Safety Precautions		
6	1. General		
7	a) If at any stage of work on an excavation or fill, the building official determines		
8	that the work has become or is likely to become dangerous to any person, or is		
9	likely to endanger any property, public or private, the building official must be		
10	authorized to require safety precautions to be immediately taken by the property		
11	owner as a condition to continuing such permitted work or to require cessation		
12	thereof forthwith unless and until it is made safe and to amend the plans for such		
13	work.		
14	b) Safety precautions may include, without limitation, specifying a flatter exposed		
15	slope or construction of additional drainage facilities, berms, terracing,		
16	compaction, cribbing, retaining walls or buttress fills, slough walls, desilting		
17	basins, check dams, benching, wire mesh and guniting, rock fences, revetments		
18	or diversion walls.		
19	c) Upon the determination of the building official that such safety precautions		
20	during grading are necessary, the building official must provide a notice and		
21	order to the permittee to implement same. After receiving such notice, oral or		
22	written, it is unlawful for the permittee or any person to proceed with such work		
23	contrary to such order.		
24	2. Removal of Ground Cover		
25	a) The existing vegetative ground cover of any watershed in any hillside area		
26	cannot be destroyed, removed or damaged except for routine maintenance		
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1	pursuant to lawful grading, use or occupancy of the property or to clear		
2	hazardous vegetation near structures and roads.		
3	b) Whenever ground cover is removed or damaged pursuant to a validly issued		
4	grading permit, the permittee must restore and maintain the affected area with		
5	an approved ground cover, or must accomplish such other erosion control		
6	protection measures as may be approved by the building official. Such erosion		
7	control must be completed within thirty days after cessation of the grading work		
8	or other work pursuant to a validly issued building permit.		
9	3. Maintenance of Protective Devices		
10	All devices used to protect hillside areas from erosion or landslide damage		
11	including, without limitation, retaining walls, cribbing, terracing, surface and subsurface		
12	drainage structures, interceptor drains, check dams, and riprap must be maintained in		
13	good condition and repair as approved by the building official at the time of completion		
14	of construction thereof.		
15			
16	Section J101.5 is added to the 2019 CBC to read as follows:		
17	J101.5 Protection of Utilities. The owner and permittee of any property on		
18	which grading has been performed and that requires a grading permit must be		
19	responsible for the prevention of damage to any public utilities or services.		
20			
21	Section J101.6 is added to the 2019 CBC to read as follows:		
22	J101.6 Protection of Adjacent Properties. The owner and permittee of any		
23	property on which grading has been performed and that requires a grading permit is		
24	responsible for the prevention of damage to adjacent property and no person must		
25	excavate on land sufficiently close to the property line to endanger any adjoining public		
26	street, sidewalk, alley, or other public or private property without supporting and		
27	protecting such property from settling, cracking or other damage that might result.		
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Special precautions approved by the building official must be made to prevent imported
 or exported materials from being deposited on the adjacent public way and/or drainage
 courses. A 30-day excavation notice must be provided as required by California Civil
 Code Section 829-834 when the excavation is of sufficient depth and proximity to
 adjacent lot structures.

6 7

Section J101.7 is added to the 2019 CBC to read as follows:

J101.7 Storm water control measures. The owner and permittee of any 8 9 property on which grading has been performed and that requires a grading permit under Section J103 shall put into effect and maintain all precautionary measures necessary to 10 protect adjacent water courses and public private property from damage by erosion, 11 12 flooding, and deposition of mud, debris and construction-related pollutants originating from the site during, and after, grading and related construction activities. Furthermore, 13 14 the owner and permittee shall be responsible for putting into effect and maintaining 15 appropriate measures necessary to prevent any change in cross-lot surface drainage that may adversely affect any adjoining property as a result of grading and/or 16 construction-related activities. Such measures to prevent any adverse cross-lot surface 17 18 drainage effects on adjoining property shall be required whether shown on approved grading plans or not. 19 20 21 Section J101.8 is added to the 2019 CBC to read as follows: J101.8 Conditions of approval. In granting any permit under this code, the 22 building official may include such conditions as may be reasonably necessary to 23 24 prevent creation of a nuisance or hazard to public or private property. Such conditions may include, but shall not be limited to: 25 26 1. Improvement of any existing grading to comply with the standards of this code. 27 28

1	2. Requirements for fencing of excavations or fills which would otherwise be
2	hazardous.
3	
4	Section J101.9 is added to the 2019 CBC to read as follows:
5	J101.9 Rules and regulations.
6	J101.9.1 Rules. The permissive provisions of this chapter shall not be presumed
7	to waive any regulations imposed by other statutes or other ordinances of the State of
8	California or the City of Culver City.
9	J101.9.2 Regulations. If two or more pertinent regulations are not identical,
10	those regulations shall prevail which are more restrictive, or which afford greater safety
11	to life, limb, health, property or welfare. For the purposes of these regulations, grading
12	permits shall be considered as building permits and shall be subject to the
13	administrative provisions of this code, unless otherwise specifically provided for in this
14	chapter.
15	
16	Section J103.2 is amended to the 2019 CBC to read as follows:
17	J103.2 Exemptions. A grading permit shall not be required for the following:
18	1. When approved by the building official, grading in an isolated, self-contained
19	area, provided there is no danger to the public, and that such grading will not adversely
20	affect adjoining properties.
21	2. Excavation for construction of a structure permitted under this code where the
22	excavation is limited to within the volume of the proposed structure.
23	3. Cemetery graves.
24	4. Refuse disposal sites controlled by other regulations.
25	5. Excavations for wells, or trenches for utilities.
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1 6. Mining, quarrying, excavating, processing or stockpiling rock, sand, aggregate 2 or clay controlled by other regulations, provided such operations do not affect the lateral 3 support of, or significantly increase stresses in, soil and adjoining properties. 4 7. Exploratory excavations performed under the direction of a registered soils engineer or engineering geologist. This shall not exempt grading of access roads or 5 6 pads created for exploratory excavations. Exploratory excavations must not create a 7 hazardous condition to adjacent properties or the public in accordance with Section 8 J101.3. Exploratory excavations must be restored to existing conditions, unless 9 approved by the building official. 8. An excavation that does not exceed 100 cubic yards (38.3 m[^]) and complies 10 with one of the following conditions: 11 12 (1) is less than 3 feet (0.6 m) in depth. (2) does not create a cut slope greater than 5 feet (1.5 m) measured vertically 13 14 upward from the cut surface to the surface of the natural grade and is not steeper than 15 4 units horizontal to 1 unit vertical (25 percent slope). 9. A fill not intended to support a structure, that does not obstruct a drainage 16 17 course and complies with one of the following conditions: 18 (a) is less than 1 foot (0.3 m) in depth and is placed on natural terrain with a slope flatter than 5 units horizontal to I unit vertical (20 percent slope). 19 20 (b) is less than 3 feet (0.9 m) in depth at its deepest point measured 21 vertically upward from natural grade to the surface of the fill, does not exceed 100 cubic yards, and creates a fill slope no steeper than 4 units horizontal to 1 22 unit vertical (25 percent slope). 23 24 (c) is less than 5 feet (1.5 m) in depth at its deepest point measured vertically upward from natural grade to the surface of the fill, does not exceed 20 25 26 cubic yards, and creates a fill slope no steeper than 4 units horizontal to 1 unit 27 vertical (25 percent slope). 28 -74-

1	Exemption from the permit requirements of this appendix shall not be deemed to
2	grant authorization for any work to be done in any manner in violation of the provisions
3	of this code or any other laws or ordinances of this jurisdiction.
4	
5	Section J103.3 is added to the 2019 CBC to read as follows:
6	J103.3 Permit issuance.
7	1. The issuance of a grading permit shall constitute an authorization to do only
8	that work which is described or illustrated on the application for the permit or on the
9	grading plans and specifications approved by the building official at the time of
10	issuance.
11	2. Jurisdiction of other agencies. Permits issued under the requirements of this
12	chapter shall not relieve the owner of responsibility for securing required permits for
13	work to be accomplished which is regulated by any other code, department or division
14	of the governing agency.
15	3. Conditions of permit. The building official, upon recommendation of the city
16	traffic and transportation administrator, may impose such regulations with respect to
17	access routes to and from grading sites in hillside areas as the building official shall
18	determine are required in the interest of safety precautions involving pedestrian or
19	vehicular traffic.
20	4. Consent of adjacent property owner. Whenever any excavation or fill requires
21	entry onto adjacent property for any reason, the permit applicant shall obtain the written
22	consent or legal easements or other property rights of the adjacent property owner or
23	their authorized representative, and shall file a signed and duly notarized copy of such
24	consent with the building official, and no permit for such grading work may be issued
25	unless and until all necessary consent documents are so filed. The consent shall be in
26	a form acceptable to the building official.
27	
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1 Section J103.4 is added to the 2019 CBC to read as follows: J103.4 Grading fees. 2 3 1. Fees for grading plan check and for grading permits shall be established or 4 modified by resolution of the city council. The schedule of such fees shall remain on file and be available in the office of the building official. The building official shall, with the 5 6 approval of the city manager, recommend changes to the council when the costs to 7 provide grading plan check and grading inspection services make it appropriate. 2. The applicant shall pay a plan check fee prior to acceptance of grading plans 8 9 and specifications for checking by the city. 3. Whenever the applicant submits a grading plan for plan check that is 10 substantially different in design of the earthwork as compared to previously submitted 11 12 grading plans, the submittal shall be considered an original and a new grading plan check fee shall be determined and paid to the city as provided in this section. 13 4. The applicant shall pay a grading permit fee prior to the issuance of a grading 14 15 permit by the city. The fee shall be based on the total volume of excavation and fill, on the site. If, during grading operations, the plans and specifications for the grading 16 project are revised increasing the volume of excavation, fill, or a combination thereof 17 18 above the volume that was used to determine the grading permit fee, the applicant shall pay to the city the difference between the original grading permit fee and the 19 recalculated fee before work may resume under the grading permit. 20 21 5. Whenever grading operations are commenced without an approved grading permit, a penalty shall be added to all unpaid fees for grading plan check and grading 22 permits. The penalty shall be three hundred percent of all fees due the city. 23 24 Section J104.2.1 is added to the 2019 CBC to read as follows: 25 26 J104.2.1 Grading Designation. Grading in hilly terrain in Hillside "H" designated 27 area and all grading in excess of 2,000 cubic yards shall be performed in accordance 28 -76-

1	with the approved grading plan prepared by a registered civil engineer, and shall be
2	designated as "engineered grading." Grading involving less than 2,000 cubic yards and
3	not located in an area of hilly terrain shall be designated as "regular grading" unless the
4	permittee chooses to have the grading performed as engineered grading, or the
5	building official determines that special conditions or unusual hazards exist, in which
6	case grading shall conform to the requirements for engineered grading.
7	
8	Section J104.2.2 is added to the 2019 CBC to read as follows:
9	J104.2.2 Regular grading requirements. In addition to the provisions of
10	Section 106, and Section 104.2, Chapter 1, Division II, an application for a regular
11	grading permit shall be accompanied by plans in sufficient clarity to indicate the nature
12	and extent of the work. The plans shall give the location of the work, the name of the
13	owner, and the name of the person who prepared the plan. If the slope of the grade
14	exceeds 3 units horizontal to 1 unit vertical or as required by the building official, the
15	plans and specifications shall be prepared and signed by an individual licensed by the
16	state to prepare such plans or specifications. The plan shall include the following
17	information:
18	1. General vicinity of the proposed site.
19	2. Limits and depths of cut and fill.
20	3. Location of any buildings or structures where work is to be performed, and the
21	location of any buildings or structures within 15 feet (4.6 m) of the proposed grading.
22	4. Contours, flow areas, elevations, or slopes which define existing and proposed
23	drainage patterns.
24	5. Stormwater provisions in accordance with the requirements of Appendix J and
25	Title 5 Chapter 5.04 of the City of Culver City Municipal Code.
26	6. Location of existing and proposed utilities, drainage facilities, and recorded
27	public and private easements and use restricted use areas.
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7. Location of all Special Flood Hazard Areas as designated and defined in Title 44, Code of Federal Regulations.

Section J104.2.3 is added to the 2019 CBC to read as follows:

J104.2.3 Engineered grading requirements. In addition to the provisions of 5 6 Chapter 1 Division II, Section 107 and Appendix J Section J 104.2, an application for an engineered grading permit shall be accompanied by plans and specifications, and 7 supporting data consisting of a soils engineering report and engineering geology report. 8 9 The plans and specifications shall be prepared and signed by an individual licensed by the state to prepare such plans or specifications when required by the building official. 10 Specifications shall contain information covering structures and material requirements. 11 12 Plans shall be drawn to scale and shall be of sufficient clarity to indicate the nature and extent of the work proposed and show in detail that it will conform to the provisions of 13 14 this code and all relevant laws, ordinances, rules, and regulations. The first sheet of 15 each set of plans shall give location of the work, the name and address of the owner, and the person by whom they were prepared. The plans shall include, but shall not be 16 limited to, the following information: 17 18 1. General vicinity of the proposed site. 2. Property limits and accurate contours of existing ground and details of terrain 19 20 and area drainage. 21 3. Limiting dimensions, elevations, or finish contours to be achieved by the grading, proposed drainage channels, and related structures. 22 4. Detailed plans of all surface and subsurface drainage devices, walls, cribbing, 23 24 dams and other protective devices to be constructed with, or as a part of, the proposed work. A map showing the drainage area and the estimated runoff of the area served by 25 26 any drains shall also be provided. 27

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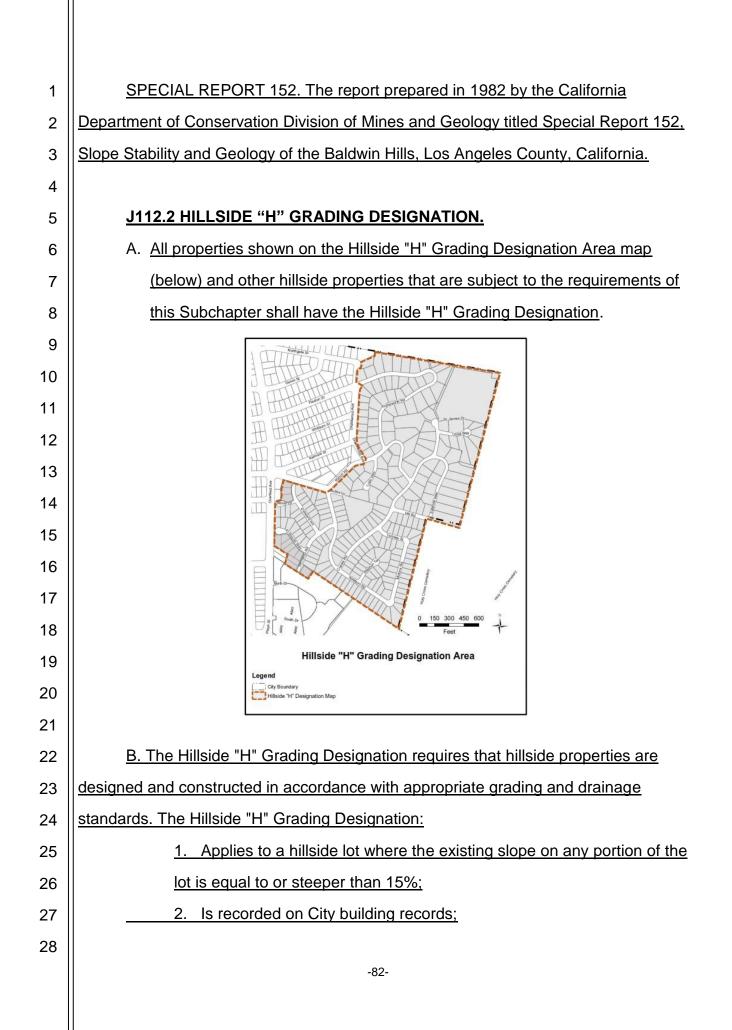
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1	5. Location of any existing or proposed buildings or structures on the property
2	where the work is to be performed and the location of any buildings or structures on
3	land of adjacent owners that are within 15 feet (4.6 m) of the property or that may be
4	affected by the proposed grading operations.
5	6. Recommendations in the geotechnical engineering report and the engineering
6	geology report shall be incorporated into the grading plans or specifications. When
7	approved by the building official, specific recommendations contained in the
8	geotechnical engineering report and the engineering geology report, that are applicable
9	to grading, may be included by reference.
10	7. The dates of the geotechnical engineering and engineering geology reports
11	together with the names, addresses, and telephone numbers of the firms or individuals
12	who prepared the reports.
13	8. A statement of the earthwork quantities of materials to be excavated and/or
14	filled. Earthwork quantities shall include quantities for geotechnical and geological
15	remediation. In addition, a statement of material to be imported or exported from the
16	<u>site.</u>
17	9. A statement of the estimated starting and completion dates for work covered
18	by the permit.
19	10. A statement signed by the owner acknowledging that a field engineer,
20	geotechnical engineer and engineering geologist, when appropriate, will be employed to
21	perform the services required by this code, whenever approval of the plans and
22	issuance of the permit are to be based on the condition that such professional persons
23	be so employed. These acknowledgements shall be on a form furnished by the building
24	official.
25	11. Storm water provisions are required to be shown on the grading plan in
26	accordance with Appendix J Section J and Title 5 Chapter 5.04 of the CCMC.
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1	12. A drainage plan for that portion of a lot or parcel to be utilized as a building
2	site (building pad), including elevation of floors with respect to finish site grade and
3	locations of existing and proposed stoops, slabs, fences or other features that may
4	affect drainage.
5	13. Location and type of any existing or proposed private sewage disposal
6	system.
7	14. Location of existing and proposed utilities, drainage facilities, and recorded
8	public and private easements.
9	15. Location of all recorded floodways.
10	16. Location of all Special Flood Hazard Areas as designated and defined in Title
11	44, Code of Federal Regulations.
12	
13	Section J109.5 is added to the 2019 CBC to read as follows:
14	J109.5 Disposal. All drainage facilities shall be designed to carry waters to the
15	nearest practicable street, storm drain, or natural watercourse drainage way approved
16	by the building official or other appropriate governmental agency jurisdiction provided it
17	is a safe place to deposit such waters. Erosion of ground in the area of discharge shall
18	be prevented by installation of non-erosive down drains or other devices. Desilting
19	basins, filter barriers or other methods, as approved by the building official, shall be
20	utilized to remove sediments from surface waters before such waters are allowed to
21	enter streets, storm drains, or natural watercourses. If the drainage device discharges
22	onto natural ground, riprap or a similar energy dissipater may be required. Building
23	pads shall have a minimum drainage gradient of 2 percent toward approved drainage
24	facilities, a public street or drainage structure approved to receive storm waters unless
25	waived by the building official. A lesser slope may be approved by the building official
26	for sites graded in relatively flat terrain, or where special drainage provisions are made,
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1	when the building official finds such modification will not result in unfavorable drainage
2	conditions.
3	
4	Section J112 is added to the 2019 CBC to read as follows:
5	J112 HILLSIDE GRADING REQUIREMENTS AND PERMITTING
6	J112.1 DEFINITIONS. For the purpose of this Subchapter, the following
7	definitions shall apply unless the context clearly indicates or requires a different
8	meaning.
9	EROSION AND SEDIMENT CONTROL PLANS. A component of a grading plan
10	submittal which indicates the methods for mitigating erosion and surficial movement of
11	soils during rainy seasons.
12	FINAL GRADING APPROVAL. Building Official approval that the proposed
13	grading conforms to the project plans.
14	HILLSIDE "H" GRADING DESIGNATION. Refers to a lot where the existing
15	slope on any portion of the lot is equal to or steeper than 15% and may be subject to
16	the requirement for a grading permit.
17	SIGNIFICANT TREE. Trees that are well established with a minimum caliper
18	size of ten (10) inches or more and/or a tree height and canopy spread of twenty (20)
19	feet or greater, and are required to be noted in the Slope Protection and Fire Prevention
20	Landscape Plan.
21	SLOPE PROTECTION AND FIRE PREVENTION LANDSCAPE PLAN. A
22	landscape plan prepared by a licensed landscape architect with all significant trees
23	noted on the project site, designed to minimize erosion and surficial sliding and
24	maximize fire prevention, and includes proposed ground cover, shrub, tree planting,
25	and proposed water conserving irrigation, including fire resistant planting.
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1	3. Requires a topographic survey with project plan submittal;
2	4. Requires a geotechnical and geological report with grading plan
3	submittal; and allows a property owner to appeal the Hillside "H" Grading Designation to
4	the Planning Commission where it can be shown, with a detailed topographic survey
5	prepared by a licensed civil engineer or land surveyor, that said lot does not contain any
6	slope equal to or in excess of 15%.
7	
8	J712.3 GRADING REQUIREMENTS.
9	Notwithstanding any other provisions of this Code, total grading (cut and fill) on a
10	lot shall be limited as outlined in § 15.02.1320 herein. No grading permit shall be issued
11	until a building permit is approved. All grading plans shall be subject to third party
12	review, with commensurate plan review fees applied consistent with the City's fee
13	schedule.
14	J712.4 THRESHOLDS FOR A GRADING PERMIT.
15	A. A hillside grading plan and a grading permit issued by the Building Official is
16	required when the grading exceeds one hundred (100) cubic yards cut or fill and
17	involves either:
18	1. A cut or fill of more than three (3) feet in vertical height below or above
19	natural ground;
20	2. Cumulative cut and fill which amounts to more than five (5) feet; or
21	3. An area where the natural gradient of the project site is more than 4:1
22	(horizontal to vertical) or 25% slope.
23	B. Grading plans that do not exceed the thresholds set forth in § 15.02.1315.A
24	are subject to a building permit only, and do not require a grading permit. The building
25	permit application shall include earth work calculations with cross sections.
26	J712.4 MAXIMUM GRADING QUANTITIES.
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1	A. Grading for all projects on properties with a Hillside "H" Grading Designation
2	shall be limited to a maximum amount of cut and fill. The cumulative quantity of grading
3	or the total combined value of both cut and fill or incremental cut and fill for a project
4	shall be limited to a base maximum of five hundred (500) cubic yards plus the numeric
5	value equal to 5% of the total lot size in cubic yards.
6	Example: A 5,000 square-foot lot would have a maximum grading amount of 750
7	cubic yards (500 cubic yards for the base amount + 250 cubic yards for the 5% lot size).
8	B. For projects where there is a maximum slope of 50% (2:1) or greater and/or
9	where there is an excavation or fill that exceeds a 50% (2:1) or greater slope, no
10	grading permit shall be issued without Building Official review and approval.
11	C. The maximum grading quantities, grading percentage for cut of fill or
12	maximum allowable slope for grading may be appealed to the Planning Commission,
13	where specific findings can be made. Such findings shall be established by resolution of
14	the City Council.
15	J712.5 SLOPE STABILIZATION.
16	A. When a grading permit is required and the project exceeds 50% of the
17	replacement value for the structure, as determined by the Building Official, the owner
18	shall also be required to increase standards of care and safety for grading, excavations,
19	fills, soil placement and foundations by implementing slope stabilization measures for
20	the entire lot. A geotechnical engineer or engineering geologist shall establish
21	prescriptive measures for slope stabilization, which shall be subject to third party
22	review, with commensurate plan review fees applied consistent with the City's fee
23	schedule.
24	B. Notwithstanding the above, the Building Official, in his or her sole discretion,
25	may require slope stabilization measures for any project, if such measures are
26	determined to be necessary in the interest of public health, safety or welfare.
27	J712.6 PUBLIC WORKS DEPARTMENT REVIEW.
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1	All grading projects of one (1) acre or greater are subject to Public Works
2	Department approvals for National Pollutant Discharge Elimination System (NPDES),
3	Storm Water Pollution Protection Plan (SWPPP) and Low Impact Development (LID)
4	requirements.
5	
6	J712.7 GEOTECHNICAL AND GEOLOGY REPORT.
7	All projects involving properties with a Hillside "H" Grading Designation and
8	subject to a grading permit shall be required to prepare and submit a geotechnical
9	report and a geology report as follows:
10	A. Geotechnical report. A geotechnical report shall be prepared by a licensed
11	geotechnical engineer and demonstrate to the satisfaction of the Building Official
12	(based upon third party review by a City approved civil engineer, geotechnical engineer
13	and/or engineering geologist) that the project is properly located and designed to
14	address site specific geotechnical conditions. Every geotechnical report shall:
15	1. Include data regarding the nature, distribution and strength of existing
16	soils, conclusions and recommendations for grading procedures, design criteria
17	and corrective measures, the impact of proposed grading as affected by soils,
18	engineering factors and the design stability of slopes;
19	2. Include data from test borings for subsurface explorations of
20	appropriate number and depth to allow for the evaluation of earth materials
21	related to: (a) impacts to the project; (b) impacts to adjacent properties within 15
22	feet of the project site, or properties which may be impacted by proposed grading
23	operations; (c) impacts to designated routes of ingress and egress for hauling
24	and staging; and (d) impacts created by the immediately previous rainy season;
25	3. Require professional inspection of grading operations by the civil
26	engineer, geotechnical engineer and engineering geologist retained for the
27	project; and
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1	4. Include review of Special Report 152 and related records on existing
2	hazards in the Hillside "H" Grading Designation Area.
3	B. Geology report. A geology report shall be prepared by a licensed engineering
4	geologist and demonstrate to the satisfaction of the Building Official (based upon third
5	party review by a City approved civil engineer, soils engineer and/or engineering
6	geologist) that the project is properly located and designed to address site specific soil
7	conditions. Every geology report shall:
8	1. Make findings that the project and grading will not adversely affect the
9	stability of the adjacent properties;
10	2. Include a description of the geology of the project site, and
11	conclusions and recommendations regarding the effect of geologic conditions
12	and geologic factors on the project and the proposed grading;
13	3. Include data from test borings for subsurface explorations of
14	appropriate number and depth to allow for the evaluation of earth materials
15	related to: (a) impacts to the project; (b) impacts to adjacent properties within
16	fifteen (15) feet of the project site, or properties which may be impacted by
17	proposed grading operations; (c) impacts to designated routes of ingress and
18	egress for hauling and staging; and (d) impacts created by the immediately
19	previous rainy season; and
20	4. Include review of Special Report 152 and related records on existing
21	hazards in the Hillside "H" Grading Designation Area.
22	J112.8 DRAINAGE PLAN REQUIREMENTS.
23	All projects shall be designed to include appropriate drainage control devices
24	such as interceptor terraces, diverter terraces, berms, vee channels, inlet structures,
25	down drains, outlet structures, drainage dispersal walls, sub-drains, gutters, site
26	drainage, drainage around buildings; and shall include a plan for maintenance of
27	drainage devices to ensure proper site drainage. An Erosion and Sediment Control Plan
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1	shall be prepared to address site drainage conditions during project construction. The
2	Erosion and Sediment Control Plan must be updated each year, prior to October 15, to
3	reflect the conditions of the site during the immediately previous rainy season.
4	J112.9 POST CONSTRUCTION DRAINAGE REPORTS AND MAINTENANCE
5	COVENANT.
6	Annually, or when required by plan check, a drainage report shall be submitted
7	to the Building Official indicating the condition of all drainage structures, acceptance of
8	water from off-site properties and drainage to adjacent properties. A maintenance
9	covenant, approved as to form by the City Attorney, shall be prepared to address
10	required maintenance for all drainage structures. The drainage report shall include:
11	A. Hydrology map showing the drainage basin(s), the site of proposed grading,
12	and any proposed drainage structures;
13	B. Summary of the hydrology and any proposed drainage structure conditions
14	checked; and
15	C. Hydrology calculations for storm intensity requirements (up to twenty-five
16	(25) year storm) for all drainage facilities.
17	J112.10 LANDSCAPE PLAN.
18	All projects located on properties with a Hillside "H" Grading Designation or other
19	property subject to the requirements of this Subchapter shall provide a Slope Protection
20	and Fire Prevention Landscape Plan prepared by a licensed landscape architect that
21	minimizes erosion and surficial sliding and maximizes fire prevention. This plan shall be
22	prepared pursuant to § J112.13 of this Subchapter and indicate proposed ground cover,
23	shrub, tree planting, proposed water conserving irrigation, including automatic shut off
24	valves, and fire-resistant planting.
25	J112.11 SIGNIFICANT TREE REMOVAL.
26	A. All significant trees as defined in § J112.1 of this Subchapter shall be
27	identified by a licensed landscape architect and shown on the grading plan and Slope
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Protection and Fire Prevention Landscape Plan with a note of intent to either remove or
 protect such trees.

B. Before any significant tree is removed, an application to remove significant
 trees must be filed with the current Planning Division for approval, which shall indicate
 the reason for such removal and alternative planting to substitute for the significant
 tree(s) removed. The grading plan and Slope Protection and Fire Prevention Landscape
 Plan shall be reviewed by the current Planning Division to verify that the significant
 trees marked for removal are in conformance with the approved application.
 C. The application to remove significant trees must be approved prior to

approval of the grading plan.

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J112.12 GRADING PROCEDURES.

12 A. Bonds. Security will be required for all hillside grading and shall be provided in the form of a surety bond, letter of credit or cash deposit. The grading bond will be 13 14 based on 50% of the cost of moving the largest amount of either cut or fill and include 15 the cost of landscaping the slopes per the approved Slope Protection and Fire Prevention Landscape Plan. To obtain release of the bond, the landscape architect 16 must submit a letter of certification that the soils, additives and amendments, weed 17 18 control, planting of the slopes and the installation of the irrigation system comply with all approved plans and applicable requirements of this Code. The bond will be released 19 one (1) year after receipt of this certification if an inspection of the site determines that 20 21 the landscaping has become permanently established. B. Agreements. Agreements with adjacent property owners will be required for 22 all of the following activities occurring outside the property boundaries of a project: 23

24 grading, drainage, ingress and egress, community driveways, or encroachment outside

25 the property boundaries. All agreements must be in a form acceptable to the City

26 Attorney, shall be recorded, and a conformed copy of the recorded document shall be

- 27 submitted prior to approval of the grading plan.
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1	J112.13 SUBMITTAL REQUIREMENTS.
2	Additional project plan submittal requirements, including requirements for a
3	grading plan, Erosion Sediment and Control Plan and/or Slope Protection and Fire
4	Prevention Landscape Plan, may be established by resolution of the City Council.
5	
6	Section J113 is added to the 2019 CBC to read as follows:
7	J113. HILLSIDE DRAINAGE
8	J113.1 Drainage System Required in Hillside Area
9	A. It is hereby declared a public nuisance for any person owning or occupying
10	any lot or parcel of property within the area designated "Hillside Area" on either
11	Diagram "A" or "B," set forth in the Appendix following this Chapter, to fail to have
12	installed and maintain:
13	1. In good working condition a system, consisting of either roof gutters,
14	downspouts and connecting pipes or structures, or a combination thereof, which
15	is capable of carrying rainwater falling on any roof on the property to the gutter of
16	a street abutting the property; or
17	2. A system on the lot or parcel of property for draining the entire building
18	pad to an abutting street.
19	B. The drainage system shall consist of a continuous one percent (1%) grade, or
20	more, on all parts of the pad sloping down to the nearest street, or drainage structures,
21	or a combination of such structures and grading, designed to drain water falling on the
22	pad to an abutting street.
23	C. This Section shall apply to all property shown on the diagrams, whether or not
24	previously improved; provided that this Section shall not apply to a particular lot or
25	parcel of property, when the City Engineer has determined that the lack of all such
26	systems on the property does not create any hazard to adjacent property.
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APPENDIX: HILLSIDE DRAINAGE; DIAGRAMS DIAGRAM "A" Ro. cm DIAGRAM "B"

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Section J114 is added to the 2019 CBC to read as follows:

J114 National Pollutant Discharge Elimination System (NPDES)

Compliance

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4 **J114.1 General.** All grading plans and permits shall comply with the provisions of this section for NPDES compliance including the owner of any property on which 5 6 grading has been performed and which requires a grading permit under Appendix J Section J103. Sites which have been graded and which require a grading permit under 7 Appendix J Section J103 are subject to penalties and fines. All best management 8 9 practices shall be installed before grading begins or as instructed in writing by the building official for unpermitted grading as defined by Section J 103.3. As grading 10 progresses, all best management practices shall be updated as necessary to prevent 11 12 erosion and control structures related pollutants from discharging from the site. All best management practices shall be maintained in good working order to the satisfaction of 13 14 the building official unless final grading approval has been granted by the building official and all permanent drainage and erosion control systems, if required, are in 15 16 place.

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18 SECTION 5: CCMC Section 15.02.115, having been repealed in Section 2
19 above, is hereby replaced as follows (NOTE: Amendments adding text to the
20 Residential Building Code are shown by <u>underline</u>; strikethrough denotes deletions):

§15.02.115 CALIFORNIA RESIDENTIAL BUILDING CODE ADOPTED BY REFERENCE WITH LOCAL AMENDMENTS.

A. Adoption of California Residential Code, 2019 Edition.

Pursuant to California Government Code § 50022.2, the California Residential
Code (CRC), 2019 Edition, published at Title 24, Part 2.5, of the California Code of
Regulations, and Appendices H,J,K,O,Q,T,V, and X of the California Residential Code,
2019 Edition, published at Title 24, Part 2.5, of the California Code of Regulations are

1	adopted by reference, subject to the amendments, additions and deletions set forth
2	below. One true copy of the CRC is on file in the office of the Building Official and is
3	available for public inspection as required by law.
4	B. Amendments to the California Residential Code.
5	CRC Section R105.1.1 Sandblasting is hereby added as follows:
6	R105.1.1 Sandblasting
7	The purpose of this Section is to prevent the dust and debris that occurs in
8	sandblasting operations from spreading throughout the neighborhood creating a public
9	health hazard.
10	R105.1.1.1 Permit Required; Compliance with Regulations.
11	A. No person shall sandblast or cause to be sandblasted the outside or inside of
12	any building or structure within the City without first paying the fee and obtaining
13	a permit from the Division of Building and Safety and without complying with
14	regulations adopted by the City Council which are reasonable necessary to
15	protect the public health and safety and property from damage which may result
16	from sandblasting.
17	B. No permit for dry sandblasting shall be issued unless the Building Official
18	determines that extraordinary reasons exist for the use of such a process and
19	that adequate measures will be taken to protect the public health and safety from
20	the effect of such dry sandblasting.
21	R105.1.1.2 Enforcement.
22	A. The Building Official shall have the power to revoke without prior notice any
23	sandblasting permit for failure to comply with any such regulations.
24	B. No person shall do any sandblasting after a permit therefore has been
25	revoked.
26	
27	Subsection 11 is added to § R105.2 of the CRC as follows:
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R105.2 Work exempt from permit.

Building

11. Block wall and concrete fences not over 3 feet 6 inches high.

Section R105.3.1.1 Expedited Streamlined Permitting Process for Small 5 6 Residential Rooftop Solar Energy Systems is added to the CRC as follows: R105.3.1.1 Expedited Review Process. Consistent with Government Code Section 65850.5, the Building Official shall implement an expedited administrative B 9 permit review process for small rooftop solar energy systems and adopt a checklist of all requirements with which small rooftop solar energy systems shall comply with in) order to be eligible for expedited review. The expedited administrative permit review 2 process and checklist shall substantially conform to the recommended process and checklist prescribed by the California Solar Permitting Guidebook as adopted by the 3 Governor's Office of Planning and Research. The City's adopted checklist shall be published on the City's website. 5 R105.3.1.1.1 Electronic Submittals. Consistent with Government Code Section 6 7 65850.5, the Building Official shall allow for electronic submittal of permit applications B covered by this Ordinance and associated supporting documentations. In accepting such permit applications, the Building Official shall also accept electronic signatures on 9 all forms, applications, and other documentation in lieu of a wet signature by any) applicant. **R105.3.1.1.2 Association Approval.** Consistent with Government Code Section 2 65850.5, the Building Official shall not condition the approval for any solar energy 23

24 system permit on the approval of such a system by an association, as that term is

defined by Civil Code Section 4080. 25

R105.3.1.1.3 Permit Application Process. A permit application that satisfies the information requirements in the City's adopted checklist shall be deemed complete

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1	and be promptly processed. Upon confirmation by the Building Official that the permit
2	application and supporting documents meets the requirements of the City's adopted
3	checklist, and is consistent with all applicable laws, the Building Official shall, consistent
4	with Government Code Section 65850.5, approve the application and issue all
5	necessary permits. Such approval does not authorize an applicant to connect the small
6	residential rooftop energy system to the local utility provider's electricity grid. The
7	applicant is responsible for obtaining such approval or permission from the local utility
8	provider. If the Building Official determines that the permit application is incomplete, he
9	or she shall issue a written correction notice to the applicant, detailing all deficiencies in
10	the application and any additional information required to be eligible for expedited
11	permit issuance.
12	R105.3.1.1.4 Inspection Requirements. The Building Official shall require only
13	one inspection for small residential rooftop solar energy systems eligible for expedited
14	review as provided by this Ordinance. Such inspection shall be performed in a timely
15	manner. If the small rooftop solar energy system fails the single inspection, subsequent
16	inspections shall be authorized.
17	
18	Section R105.3.1.2 Electric Vehicle Charging Stations Permitting is added
19	to the CRC as follows:
20	R105.3.1.2 Electric Vehicle Charging Stations Permitting
21	R105.3.1.2.1 Purpose and Intent. The purpose of this Chapter is to promote
22	and encourage the use of electric vehicles by creating an expedited, streamlined
23	permitting process for electric vehicle charging stations while promoting public health,
24	safety and welfare and preventing specific adverse impacts in the installation and use
25	of such charging stations. This Chapter is also adopted to comply with California
26	Government Code Section 65850.7.
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1	R105.3.1.2.2 Definitions. For the purpose of this Chapter, the following definitions
2	shall apply unless the context clearly indicates or requires a different meaning.
3	ELECTRIC VEHICLE CHARGING STATION or CHARGING STATION. Any
4	level of electric vehicle supply equipment station that is designed and built in
5	compliance with Article 625 of the California Electrical Code, as it reads on the effective
6	date of this Chapter, and delivers electricity from a source outside an electric vehicle
7	into a plug-in electric vehicle.
8	ELECTRONIC SUBMITTAL. The utilization of one or more of the following:
9	1. Electronic mail or email.
10	2. The internet.
11	3. Facsimile.
12	SPECIFIC, ADVERSE IMPACT. A significant, quantifiable, direct, and
13	unavoidable impact, based on objective, identified, and written public health or safety
14	standards, policies, or conditions as they existed on the date the application was
15	deemed complete.
16	R105.3.1.2.3 Expedited Permitting Process. Consistent with Government
17	Code Section 65850.7, the Building Official shall implement an expedited, streamlined
18	permitting process for electric vehicle charging stations, and adopt a checklist of all
19	requirements with which electric vehicle charging stations shall comply with to be
20	eligible for expedited review. The expedited, streamlined permitting process and
21	checklist may refer to the recommendations contained in the most current version of the
22	"Plug-In Electric Vehicle Infrastructure Permitting Checklist" of the "Zero-Emission
23	Vehicles in California: Community Readiness Guidebook" as published by the
24	Governor's Office of Planning and Research. The City's adopted checklist shall be
25	published on the City's website.
26	R105.3.1.2.4 Permit Application Processing.
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1 A. Prior to submitting an application for processing, the applicant shall verify 2 that the installation of an electric vehicle charging station will not have specific, adverse 3 impact to public health and safety and building occupants. Verification by the applicant 4 includes but is not limited to: electrical system capacity and loads; electrical system wiring, bonding and overcurrent protection; building infrastructure affected by charging 5 6 station equipment and associated conduits; areas of charging station equipment and 7 vehicle parking. B. A permit application that satisfies the information requirements in the City's 8 9 adopted checklist shall be deemed complete and be promptly processed. Upon confirmation by the Building Official that the permit application and supporting 10 documents meets the requirements of the City adopted checklist, and is consistent with 11 12 all applicable laws and health and safety standards, the Building Official shall, consistent with Government Code Section 65850.7, approve the application and issue 13 14 all necessary permits. Such approval does not authorize an applicant to energize or utilize the electric vehicle charging station until approval is granted by the City. If the 15 Building Official determines that the permit application is incomplete, he or she shall 16 issue a written correction notice to the applicant, detailing all deficiencies in the 17 18 application and any additional information required to be eligible for expedited permit 19 issuance. C. Consistent with Government Code Section 65850.7, the Building Official 20 21 shall allow for electronic submittal of permit applications covered by this Chapter and 22 associated supporting documentation. In accepting such permit applications, the Building Official shall also accept electronic signatures on all forms, applications, and 23 24 other documentation in lieu of a wet signature by any applicant. D. No fee shall be imposed on the applicant for the filing and processing of a 25 26 permit application for installation of an electric vehicle charging station. 27 R105.3.1.2.5 Technical Review.

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1	A. It is the intent of this Chapter to encourage the installation of electric vehicle
2	charging stations by removing obstacles to permitting for charging stations so long as
3	the action does not supersede the Building Official's authority to address higher priority
4	life-safety situations. If the Building Official makes a finding based on substantial
5	evidence that the electric vehicle charging station could have a specific adverse impact
6	upon the public health or safety, as defined in this Chapter, the City may require the
7	applicant to apply for a use permit.
8	B. In the technical review of a charging station, consistent with Government
9	Code Section 65850.7, the Building Official shall not condition the approval for any
10	electric vehicle charging station permit on the approval of such a system by an
11	association, as that term is defined by Civil Code Section 4080.
12	R105.3.1.2.6 Electric Vehicle Charging Stations Installation Requirements
13	A. Electric vehicle charging station equipment shall meet the requirements of
14	the California Electrical Code, the Society of Automotive Engineers, the National
15	Electrical Manufacturers Association, and accredited testing laboratories such as
16	Underwriters Laboratories, and rules of the Public Utilities Commission or a Municipal
17	Electric Utility Company regarding safety and reliability.
18	B. Installation of electric vehicle charging stations and associated wiring,
19	bonding, disconnecting means and overcurrent protective devices shall meet the
20	requirements of Article 625 and all applicable provisions of the California Electrical
21	Code.
22	C. Installation of electric vehicle charging stations shall be incorporated into the
23	load calculations of all new or existing electrical services and shall meet the
24	requirements of the California Electrical Code. Electric vehicle charging equipment shall
25	be considered a continuous load.
26	D. Anchorage of either floor-mounted or wall-mounted electric vehicle charging
27	stations shall meet the requirements of the California Building or Residential Code as
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1 applicable per occupancy, and the provisions of the manufacturer's installation instructions. Mounting of charging stations shall not adversely affect building elements. 2 3 Section R105.3.2 of the CRC is hereby amended to read as follows: 4 **R105.3.2 Expiration of Plan Check.** An application for a permit for any 5 6 proposed work is deemed to have been abandoned 12 months after the application date. Unless otherwise provided, after expiration of the application, the City will not 7 issue a permit until the plans are rechecked and approved and a new fee is paid. 8 9 Exception: The Building Official may grant extensions of time for additional periods not exceeding 90 days each if a permit applicant submits in writing sufficient 10 evidence that unusual conditions or circumstances precluded the securing of the permit 11 12 within the allocated time. 13 Section R105.5 of Chapter 1 of the CRC is hereby amended to read as 14 follows: 15 **R105.5 Expiration of Permits.** Every permit issued shall become invalid unless 16 the work on the site authorized by such permit is commenced within 12 months after its 17 18 issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. Work shall 19 be considered suspended or abandoned if the building official determines that 20 21 substantial work has not been performed within the time specified above. Substantial 22 work shall be constructed to mean: 1. Measurable work such as, but not limited to, the addition of footings, structural 23 24 members, flooring, wall covering, etc. 2. The work mentioned in subsection 1 of this Section [A] 105.5 above must 25 26 constitute 20% of the value of the work for which the permit was issued in any 180 day 27 period for Group R, Division 3 occupancies and 10% for all other occupancies. 28 -98-

1	Before such work can be recommenced, a new permit shall be first obtained to
2	do so, and the fee therefore shall be one half the amount required for a new permit for
3	such work, provided no changes have been made or will be made in the original plans
4	and specifications for such work, and provided further that such suspension or
5	abandonment has not exceeded one year. In order to renew action on a permit after
6	expiration, the permittee shall pay a new permit fee and may be required to comply with
7	all applicable new regulations at the time of issuance. The building official is authorized
8	to grant, in writing, one or more extensions of time, for periods not more than 180 days
9	each. The extension shall be requested in writing and justifiable cause demonstrated.
10	Except as otherwise provided, every permit issued by the City is valid for a period of
11	three (3) years.
12	Exception: The Building Official may grant extensions of time if a permit
13	applicant submits in writing sufficient evidence that unusual conditions or circumstances
14	precluded from the work being completed. An extension of time may require conditions
15	of approval and additional fees.
16	
17	Section R105.8 of Chapter 1 of the CRC is added to read as follows:
18	R105.8 Responsibility of permittee. Building permits shall be presumed by the
19	city to incorporate all of the work that the applicant, the applicant's agent, employees
20	and/or contractors shall carry out. Said proposed work shall be in accordance with the
21	approved plans and with all requirements of this code and any other laws or regulations
22	applicable thereto. No city approval shall relieve or exonerate any person from the
23	responsibility of complying with the provisions of this code nor shall any vested rights be
24	created for any work performed in violation of this code.
25	
26	Section R109.5.1 of Chapter 1 of the CRC is added to read as follows:
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1	R108.5.1 Plan check fees refund. No portion of the plan check fee shall be
2	refunded unless plan review has not been performed, in which case 80 percent of the
3	plan check fee shall be refunded upon written application for refund submitted by the
4	person who made original payment of such fee and with the written consent of the
5	owner of the real property on which the work was proposed to be done. The Building
6	Official shall determine, in such official's discretion, whether an applicant is qualified to
7	receive a refund. After 180 days have elapsed from the date of the submittal for plan
8	check, no plan check fees shall be refunded. In the event subsequent application for
9	plan check is made by a person who has received a refund, the full amount of all
10	required fees shall be paid as elsewhere provided in this chapter.
11	
12	Section R105.5.2 of Chapter 1 of the CRC is added to read as follows:
13	R108.5.2 Permit fees refund. In the event any person shall have obtained a
14	building permit and no portion of the work or construction covered by such permit shall
15	have commenced, nor any inspection performed by any City employee, and notice of
16	abandonment has been received from the owner of the real property on which such
17	work would have been performed, the permittee, upon presentation to the Building
18	Official of a written request for refund, shall be entitled to a refund in an amount equal
19	to 80 percent of the building permit fee actually paid for such permit. The Building
20	Official shall determine, in such official's discretion, whether an applicant is qualified to
21	receive a refund. After 180 days have elapsed from the date of the issuance of the
22	permit, no permit fees shall be refunded. In the event subsequent application for a
23	permit is made by a person who has received a refund, the full amount of all required
24	fees shall be paid as elsewhere provided in this chapter.
25	Exception:
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1	1. If a permit has been issued for a project located in an area outside the
2	jurisdiction of the City, 100 percent of the permit and plan checking fee may be
3	refunded.
4	2. If a duplicate permit has been erroneously issued, 100 percent of the
5	duplicated permit and plan checking fee may be refunded.
6	
7	Section 108.6 of Chapter 1 of the CRC is amended to read as follows:
8	R108.6 Work commencing before permit issuance. Any person who
9	commences any work on a building, structure, electrical, gas, mechanical or plumbing
10	system before obtaining the necessary permits shall be subject to a fee in addition to
11	the normally established permit fee, equal to 100% of such normally established permit
12	fee, or as otherwise determined by the building official.
13	
14	Section 110.1.1 of Chapter 1 of the CRC is added to read as follows:
15	R109.1.7 Setback Certification required. A California State licensed surveyor
16	is required to certify the location of the new construction when it is within 3 feet of a
17	setback line or property line prior to the first foundation inspection. A copy of the
18	certification shall be available to the Building Division inspector for the job file prior to
19	the first inspection.
20	Exception: Wherever there are practical difficulties involved in carrying out the
21	provisions of this section, the Building Official shall have the authority to grant
22	modifications for individual cases.
23	
24	Section R109.5 of Chapter 1 of the CRC is hereby added to read as follows:
25	R109.5 Re-inspections. A re-inspection fee in the amount set by the City
26	Council resolution may be assessed for each inspection or re-inspection when such
27	portion of work for which inspection is called is incomplete or when required corrections
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called are not made. This section is not to be interpreted as requiring re-inspection 1 fees the first time a job is rejected for failure to comply with the requirements of this 2 3 code, but as controlling the practice of calling for inspections before the job is ready for such inspection or re-inspection. Re-inspection fees may be assessed when the 4 inspection record card is not posted or otherwise available on the work site, the 5 6 approved plans are not readily available to the inspector, for failure to provide access on the date for which inspection is requested, or for deviating from plans requiring the 7 approval of the building official. In instances where re-inspection fees have been 8 9 assessed, no additional inspection of the work will be performed until required fees have been paid. 10 11 12 Section R301.1.3.2 of Chapter 3 of the 2019 CRC is amended to read as follows: 13 14 R301.1.3.2 Wood frame structures greater than two-stories. The building 15 official shall require construction documents to be approved and stamped by a California licensed architect or engineer for all dwellings of wood frame construction 16 17 more than two stories and basement in height located in Seismic Design Category A, B or C. Notwithstanding other sections of law; the law establishing these 18 provisions is found in Business and Professions Code Sections 5537 and 6737.1. 19 The building official shall require construction documents to be approved and 20 21 stamped by a California licensed architect or engineer for all dwellings of wood frame construction more than one story in height or with a basement located in 22 Seismic Design Category D₀, D₁, or D₂. 23 24 Section R301.1.4 is added to Chapter 3 of the CRC to read as follows: 25 R301.1.4 Seismic design provisions for buildings constructed on or into 26 27 slopes steeper than one unit vertical in three units horizontal (33.3 percent 28 -102-

1	slope). The design and construction of new buildings and additions to existing
2	buildings when constructed on or into slopes steeper than one unit vertical in three
3	units horizontal (33.3 percent slope) shall comply with Section 1613.6 of the
4	California Building Code.
5	
6	Items 1, 3 and 5 of Section R301.2.2.6 of the CRC are amended to read as
7	follows:
8	1. Shear wall or braced wall offsets out of plane. Conditions where exterior
9	shear wall lines or braced wall panels are not in one plane vertically from the
10	foundation to the uppermost story in which they are required.
11	Exception: For wood light-frame construction, floors with cantilevers or
12	setbacks not exceeding four times the nominal depth of the wood floor joists
13	are permitted to support braced wall panels that are out of plane with braced
14	wall panels below provided that all of the following are satisfied:
15	1. Floor joists are nominal 2 inches by 10 inches (51 mm by 254 mm)
16	or larger and spaced not more than 16 inches (406 mm) on center.
17	2. The ratio of the back span to the cantilever is not less than 2 to 1.
18	3. Floor joists at ends of braced wall panels are doubled.
19	4. For wood-frame construction, a continuous rim joist is connected to
20	ends of cantilever joists. When spliced, the rim joists shall be spliced
21	using a galvanized metal tie not less than 0.058 inch (1.5 mm) (16
22	gage) and 1 1/2 inches (38 mm) wide fastened with six 16d nails on
23	each side of the splice or a block of the same size as the rim joist of
24	sufficient length to fit securely between the joist space at which the
25	splice occurs fastened with eight 16d nails on each side of the splice;
26	and
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5. Gravity loads carried at the end of cantilevered joists are limited to
uniform wall and roof loads and the reactions from headers having a
span of 8 feet (2438 mm) or less.
3. Shear wall or braced wall offsets in plane. Conditions where the end of a
braced wall panel occurs over an opening in the wall below. and ends at a
horizontal distance greater than 1 foot (305 mm) from the edge of the opening.
This provision is applicable to shear walls and braced wall panels offset in plane
and to braced wall panels offset out of plane as permitted by the exception to
item 1.
Exception: For wood light-frame wall construction, one end of a braced wall
panel shall be permitted to extend more than one foot (305 mm) over an
opening not more than 8 feet (2438 mm) in width in the wall below provided
that the opening includes a header in accordance with all of the following:
1. The building width, loading condition and framing member species
limitations of Table R602.7(1) shall apply.
2. The header is composed of: 1.1 Not less than one 2x12 or two 2x10 for an opening not more than 4 feet (1219 mm) wide.
2.2 Not less than two 2x12 or three 2x10 for an opening not more than 6
feet (1829 mm) in width.
2.3 Not less than three 2x12 or four 2x10 for an opening not more than 8
feet (2438 mm) in width.
3. The entire length of the braced wall panel does not occur over an opening
in the wall below.
5. Floor level offset. Conditions where portions of a floor level are vertically offset.
Exceptions:
1. Framing supported directly by continuous foundations at the perimeter of
the building.
-104-

1	2. For wood light-frame construction, floors shall be permitted to be vertically
2	offset where the floor framing is lapped or tied together as required by
3	section R502.6.1.
4	
5	Section R301.2.2.11 is added to Chapter 3 of the CRC to read as follows:
6	R301.2.2.11 Anchorage of Mechanical, Electrical, or Plumbing Components
7	and Equipment. Mechanical, electrical, or plumbing components and equipment shall
8	be anchored to the structure. Anchorage of the components and equipment shall be
9	designed to resist loads in accordance with the California Residential Code and ASCE
10	7, except where the component is positively attached to the structure and flexible
11	connections are provided between the component and associated ductwork, piping,
12	and conduit; and either
13	1.The component weighs 400 lbs. (1,780 N) or less and has a center of mass
14	located 4 ft. (1.22 m) or less above the supporting structure; or
15	2.The component weighs 20 lbs. (89N) or less or, in the case of a distributed
16	system, 5 lb/ft. (73 N/m) or less.
17	
18	Section R401.1 of the CRC is amended to read as follows:
19	R401.1 Application. The provisions of this chapter shall control the design
20	and construction of the foundation and foundation spaces for buildings. In addition
21	to the provisions of this chapter, the design and construction of foundations in flood
22	hazard areas as established by Table R301.2(1) shall meet the provisions of Section
23	R322. Wood foundations shall be designed and installed in accordance with AWC
24	PWF.
25	Exception: The provisions of this chapter shall be permitted to be used for
26	wood foundations only in the following situations:
27	1. In buildings that have no more than two floors and a roof.
28	
	-105-

When interior basement and foundation walls are constructed at intervals. 1 not exceeding 50 feet (15 240 mm). 2 3 Wood foundations in Seismic Design Category D_0 , D_1 , or D_2 shall be designed in accordance with accepted engineering practice not be permitted. 4 **Exception:** In non-occupied, single-story, detached storage sheds and 5 6 similar uses other than carport or garage, provided the gross floor area does 7 not exceed 200 square feet, the plate height does not exceed 12 feet in height above the grade plane at any point, and the maximum roof projection 8 9 does not exceed 24 inches. 10 Section R401.5 of the 2019 CRC, is hereby added to read as follows: 11 12 **R401.5 Grading.** Grading requirements shall be in compliance with Appendix J of the Amended CBC of this Code. 13 14 15 Sections R403.1.2, R403.1.3.6 and R403.1.5 of the CRC are amended to read as follows: 16 17 R403.1.2 Continuous footing in Seismic Design Categories D₀, D₁ and 18 **D2.** Exterior walls of buildings located in Seismic Design Categories D₀, D₁ and D₂ shall be supported by continuous solid or fully grouted masonry or concrete footings. 19 20 Other footing materials or systems shall be designed in accordance with accepted 21 engineering practice. All required interior braced wall panels in buildings located in 22 Seismic Design Categories D₀, D₁ and D₂ with plan dimensions greater than 50 feet (15 240 mm) shall be supported by continuous solid or fully grouted masonry or 23 24 concrete footings in accordance with Section R403.1.3.4, except for two-story buildings in Seismic Design Category D₂, in which all braced wall panels, interior and 25

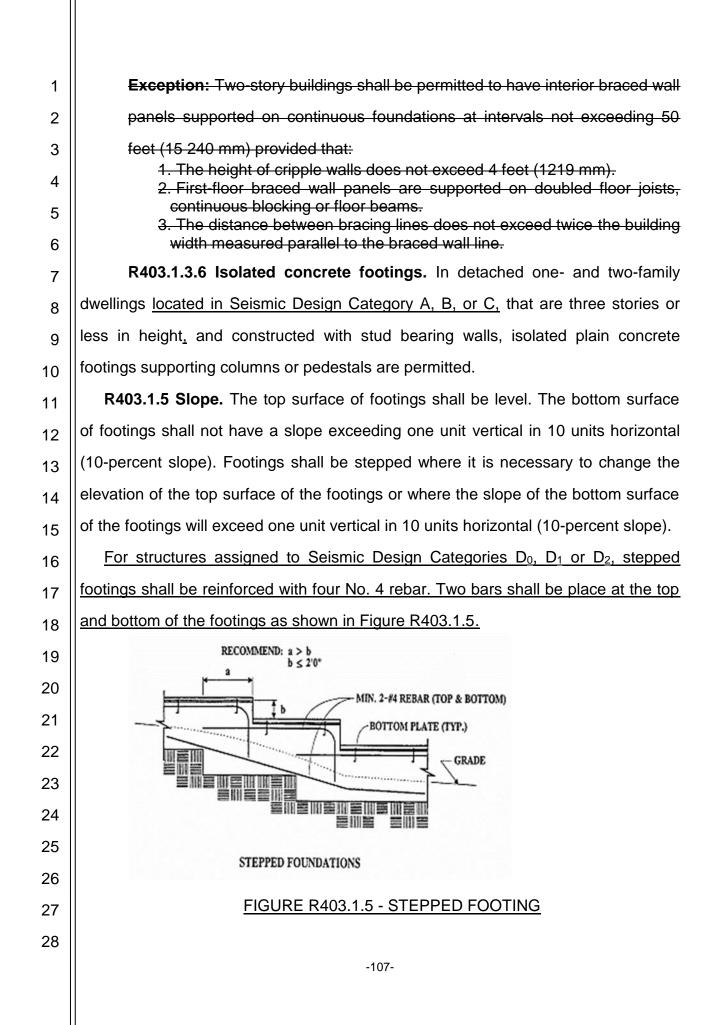
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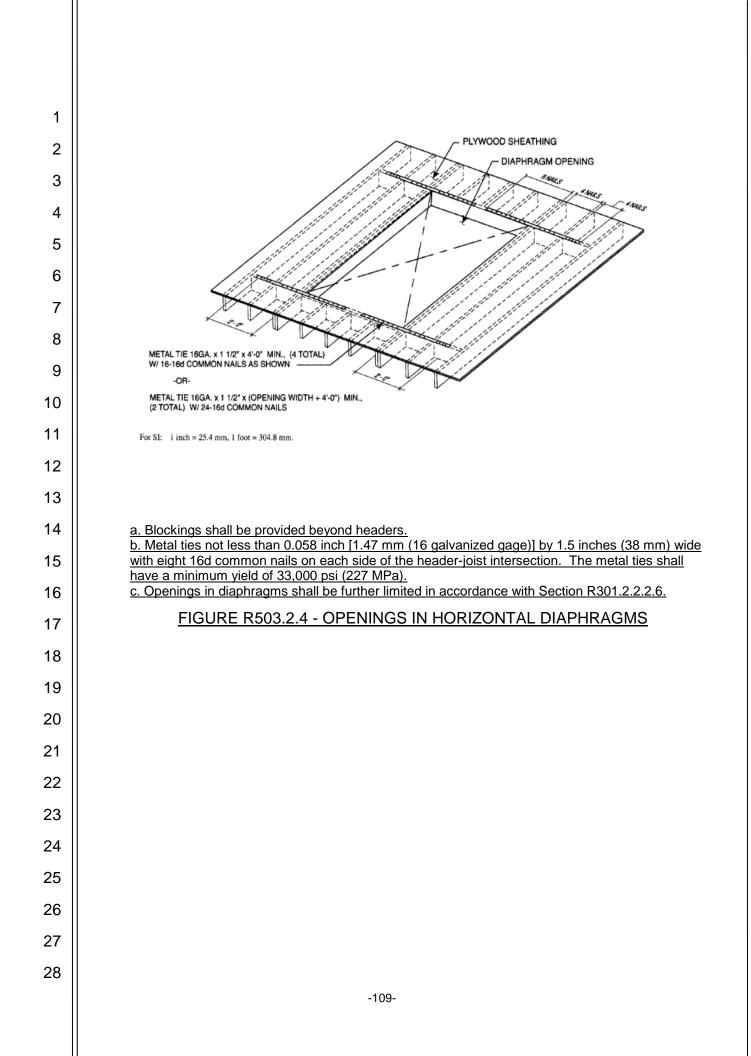
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exterior, shall be supported on continuous foundations.



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2	Section R404.2 of the CRC is amended to read as follows:
3	R404.2 Wood foundation walls. Wood foundation walls shall be constructed
4	in accordance with the provisions of Sections R404.2.1 through R404.2.6 and with
5	the details shown in Figures R403.1(2) and R403.1(3). Wood foundation walls shall
6	not be used for structures located in Seismic Design Category D ₀ , D ₁ or D ₂ .
7	
8	Section R501.1 of the CRC is amended to read as follows:
9	R501.1 Application. The provisions of this chapter shall control the design and
10	construction of the floors for buildings, including the floors of attic spaces used to house
11	mechanical or plumbing fixtures and equipment. Mechanical or plumbing fixtures and
12	equipment shall be attached (or anchored) to the structure in accordance with Section
13	<u>R301.2.2.11</u>
14	
15	Section R503.2.4 is added to Chapter 5 of the CRC to read as follows:
16	R503.2.4 Openings in horizontal diaphragms. Openings in horizontal
17	diaphragms with a dimension perpendicular to the joist that is greater than 4 feet (1.2
18	m) shall be constructed in accordance with Figure R503.2.4.
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Lines 19, 20, 23, and 33 - 36 of Table R602.3(1) of the 2019 CRC are

amended to read as follows:

1

3			I)—continued FASTENING SCHEDULE		
4	ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a, b, c}		NG AND ATION
5	19 <u>k</u>	$1'' \times 6''$ sheathing to each bearing	3-8d box $(2^{1}/_{2}" \times 0.113")$; or 2-8d common $(2^{1}/_{2}" \times 0.131")$; or 2- 10d box $(3" \times 0.128")$; or 2 staples, 1" crown, 16 ga., $1^{3}/_{4}$ " long	Face	e nail
6 7			3-8d box $(2^{1}/_{2}" \times 0.113")$; or 3-8d common $(2^{1}/_{2}" \times 0.131")$; or 3- 10d box $(3" \times 0.128")$; or		
8	20 <u>k</u>	$1'' \times 8''$ and wider sheathing to each	3 staples, 1" crown, 16 ga., $1^{3}/_{4}$ " long Wider than 1" × 8"	Face	e nail
9		bearing	4-8d box $(2^{1}/_{2}" \times 0.113")$; or 3-8d common $(2^{1}/_{2}" \times 0.131")$; or 3- 10d box $(3" \times 0.128")$; or 4 steples 1" coups 16 cs $1^{3}/_{2}"$ long		
10			4 staples, 1" crown, 16 ga., $1^{3}/_{4}$ " long Floor		
11	23 <u>k</u>	$1'' \times 6''$ subfloor or less to each joist	3-8d box $(2^{1}/_{2}" \times 0.113")$; or 2-8d common $(2^{1}/_{2}" \times 0.131")$; or 3- 10d box $(3" \times 0.128")$; or	Face	e nail
12		Oth	2 staples, 1" crown, 16 ga., 1 ³ / ₄ " long her wall sheathing		
13		$\frac{1}{2}$ " structural cellulosic	$1^{1/2}$ " galvanized roofing nail, $7/16$ " head diameter, or		
14	33 <u>k</u>	fiberboard sheathing	$1^{1}/_{4}$ " long 16 ga. staple with $7/_{16}$ " or 1" crown	3	6
15	34 <u>k</u>	²⁵ / ₃₂ " structural cellulosic fiberboard sheathing	$1^{3}/_{4}$ " galvanized roofing nail, $7/_{16}$ " head diameter, or $1^{1}/_{2}$ " long 16 ga. staple with $7/_{16}$ " or 1" crown	3	6
	35 <u>k</u>	¹ / ₂ " gypsum sheathing ^d	$1^{1}\!/_{2}''$ galvanized roofing nail; staple galvanized, $1^{1}\!/_{2}''$ long; $1^{1}\!/_{4}''$ screws, Type W or S	7	7
16	36 <u>k</u>	⁵ / ₈ " gypsum sheathing ^d	$1^{3}/_{4}$ " galvanized roofing nail; staple galvanized, $1^{5}/_{8}$ " long; $1^{5}/_{8}$ " screws, Type W or S	7	7
17		5.4 mm, 1 foot = 304.8 mm, 1 mile per hour			
18	a. Nails are sm sheathing co	nnections shall have minimum average	nks except where otherwise stated. Nails used for fra e bending yield strengths as shown: 80 ksi for shank c	liameter of	
19	100 ksi for sh	nank diameters of 0.142 inch or less.	meters larger than 0.142 inch but not larger than 0.177	inch, and	
20	c. Nails shall be	6 gage wire and have a minimum 7 / $_{16}$ - e spaced at not more than 6 inches on c 8-foot or 4-foot by 9-foot panels shall be	enter at all supports where spans are 48 inches or greate	er.	
21		steners not included in this table shall b uctural panel roof sheathing attached	e based on Table R602.3(2). to gable end roof framing and to intermediate supports	s within 48	
22	inches of roo	of edges and ridges, nails shall be spac o mph and shall be spaced 4 inches on	ed at 6 inches on center where the ultimate design win center where the ultimate design wind speed is 130 mph	d speed is	
23	g. Gypsum shea	•	d shall be installed in accordance with GA 253. Fiberboa	rd sheathing	
24	h. Spacing of fa required bloc	asteners on floor sheathing panel edg king and at floor perimeters only. Spa	ges applies to panel edges supported by framing mer cing of fasteners on roof sheathing panel edges applie	es to panel	
25	perpendicula		ired blocking. Blocking of roof or floor sheathing pa provided except as required by other provisions of this of solid blocking.		
26	one side of th		iling joist in accordance with this schedule, provide two to st to top plate in accordance with this schedule. The toe		
27	j. RSRS-01 is a	a Roof Sheathing Ring Shank nail meeti	ng the specifications in ASTM F1667. <u>ed in Seismic Design Category D₀, D₁, or D₂.</u>		
28					
			-110-		

Exception of Section R602.3.2 and Table R602.3.2 of the 2019 Edition of the CRC is amended to read as follows:

Table R602.3.2

Exception: A <u>In other than Seismic Design Category D₀, D₁ or D₂, a single top plate</u>

used as an alternative to a double top plate shall comply with the following:

- 1. The single top plate shall be tied at corners, intersecting walls, and at in-line splices in straight wall lines in accordance with Table R602.3.2.
- 2. The rafters or joists shall be centered over the studs with a tolerance of not more than 1 inch (25 mm).
- 3. Omission of the top plate is permitted over headers where the headers are adequately tied to adjacent wall sections in accordance with Table R602.3.2.

TABLE R602.3.2

9	SINGLE TOP-PLATE SPLICE CONNECTION DETAILS					
	TOP-PLATE SPLICE LOCATION					
10	CONDITION	Corners and int	ersecting walls	Butt joints in straight walls		
		Splice plate size	Minimum nails each side of joint	Splice plate size	Minimum nails each side of joint	
11 12	Structures in SDC A-C; and in SDC D ₀ , D ₁ and D ₂ with braced wall line spacing less than 25 feet	3" × 6" × 0.036" galvanized steel plate or equivalent	(6) 8d box $(2^{1}/_{2}'' \times 0.113'')$ nails	3' × 12" × 0.036" galvanized steel plate or equivalent	(12) 8d box $(2^{1}/_{2}'' \times 0.113'')$ nails	
13	Structures in SDC D ₀ , D ₁ and D ₂ , with braced wall line spacing greater than or equal to 25 feet	3" × 8" by 0.036" galvanized steel plate or equivalent	$\frac{(9) \text{ 8d box}}{(2^{1} + \frac{2}{2}'' \times 0.113'') \text{ nails}}$	3′ × 16″ × 0.036″ galvanized steel plate or equivalent	(18) 8d box (2¹/₂″ × 0.113″) nails	
	For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.					

Footnote "b" of Table R602.3(2) of the CRC is amended to read as follows:

Table R602.3(2)

b. Staples shall have a minimum crown width of 7/16-inch on diameter except as noted. <u>Use of staples in roof, floor, subfloor, and braced wall panels shall be prohibited</u> in Seismic Design Category D₀, D₁, or D₂.

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Section R602.10.2.3 of the 2019 CRC is amended to read as follows:

R602.10.2.3 Minimum number of braced wall panels. Braced wall lines with a length of 16 feet (4877 mm) or less shall have a minimum of two braced wall panels of any length or one braced wall panel equal to 48 inches (1219 mm) or more. Braced wall lines greater than 16 feet (4877 mm) shall have a minimum of two braced wall panels. No braced wall panel shall be less than 48 inches in length in Seismic Design Category D_0 , D_1 , or D_2

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Table R602.10.3(3) of the CRC is amended to read as follows: 1 TABLE R602.10.3(3) BRACING REQUIREMENTS BASED ON SEISMIC DESIGN CATEGORY 2 SOIL CLASS D^b WALL HEIGHT = 10 FEET MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE^{A,1} 10 PSF FLOOR DEAD LOAD 15 PSF ROOF/CEILING DEAD LOAD 3 BRACED WALL LINE SPACING ≤ 25 FEET 4 Methods DWB, SFB, PBS, Braced Wall Line Methods Method Seismic Design Method GB⁸ CS-WSP, CS-G, CS-PF Story Location Length (feet)^c Method LIB⁴ PCP, HPS, CS-SFB* Category WSP 5 10 2.5 2.5 2.5 1.6 1.4 20 5.0 5.0 5.0 3.2 2.7 6 30 7.5 7.5 7.5 4.8 4.1 40 10.0 10.0 10.0 6.4 5.4 7 50 12.5 12.5 8.0 12.5 6.8 10 NP 3.0 4.5 4.5 2.6 8 20 NP 9.0 9.0 6.0 5.1 C 30 9 NP 13.5 13.5 9.0 7.7 (townhouses only) 40 NP 18.0 18.0 12.0 10.2 10 50 NP 22.5 22.5 15.0 12.8 NP 10 6.0 6.0 4.5 3.8 11 20 NP 12.0 12.0 9.0 7.7 18.0 30 NP 18.0 13.5 11.5 12 40 NP 15.3 24.0 24.0 18.0 50 NP 30.0 30.0 22.5 19.1 13 2.8 5.6 2.8 5.6 10 NP 1.8 1.6 20 NP 5.5 11. 5.5 11.0 3.6 3.1 14 30 NP 8.3 16.6 8.3 16.6 5.4 4.6 NP 40 11.0 22.0 11.0 22.0 7.2 6.1 15 50 NP 13.8 27.0 13.8 27.6 9.0 7.7 10 NP 5.3 NP 5.3 NP 3.8 3.2 16 NP 10.5 NP 10.5 NP 20 7.5 6.4 30 NP \mathbf{D}_0 15.8 NP 15.8 NP 11.3 9.6 17 40 NP 21.0 NP 21.0 NP 15.0 12.8 NP 26.3 NP 26.3 NP 16.0 50 18.8 18 10 NP 7.3 7.3 NP 5.3 4.5 NP 20NP 14.5 NP 14.5 NP 10.5 9.0 19 30 NP 21.8 NP 21.8 NP 15.8 13.4 40 NP 29.0 NP 29.0 NP 21.0 17.9 20 22.3 50 NP 36.3 NP 36.3 NP 26.3 (continued) 21 22 23 24 /// 25 26 /// 27 28 -112-

		BRACING F	TABLE RE	602.10.3(3)—contin BASED ON SEISMI	ued C DESIGN CATE	GORY			
1 2	 15 PSF ROOF. 			MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE ^{*/}					
3	Seismic Design Category	Story Location	Braced Wall Line Length (feet) ^c	Method LIB ^d	Method GB ^z	Methods DWB, SFB, PBS, PCP, HPS, CS-SFB ¹	Method WSP	Methods CS-WSP, CS-G, CS-PF	
4		\land	10	NP	3.0 <u>6.0</u>	3.0 <u>6.0</u>	2.0	1.7	
5			20	NP	6.0 <u>12.0</u>	6.0 <u>12.0</u>	4.0	3.4	
5			30	NP	9.0 <u>18.0</u>	9.0 <u>18.0</u>	6.0	5.1	
6			40 50	NP NP	12.0 <u>24.0</u> 15.0 <u>30.0</u>	12.0 24.0 15.030.0	8.0 10.0	6.8 8.5	
Ū			10	NP	6.0 NP	6.0 <u>NP</u>	4.5	3.8	
7			20	NP	12.0 NP	12.0 <u>NP</u>	9.0	7.7	
	D		30	NP	18.0 <u>NP</u>	18.0 <u>NP</u>	13.5	11.5	
8			40	NP	24.0 <u>NP</u>	24.0 <u>NP</u>	18.0	15.3	
0			50	NP	30.0 NP	30.0 NP	22.5	19.1	
9		\bigtriangleup	10	NP NP	8.5 <u>NP</u> 17.0 NP	8.5 <u>NP</u>	6.0	5.1	
10			20 30	NP	25.5 NP	17.0 <u>NP</u> 25.5 NP	12.0 18.0	10.2 15.3	
			40	NP	34.0 NP	34.0 NP	24.0	20.4	
11			50	NP	42.5 NP	42.5 NP	30.0	25.5	
			10	NP	4.0 <u>8.0</u>	4.0 <u>8.0</u>	2.5	2.1	
12			20	NP	8.0 <u>16.0</u>	8.0 <u>16.0</u>	5.0	4.3	
10			30	NP	12.0 <u>24.0</u>	12.0 24.0	7.5	6.4	
13			40 50	NP NP	16.0 <u>32.0</u> 20.0 40.0	16.0 32.0 20.040.0	10.0	8.5 10.6	
14			10	NP	20.0 40.0 7.5 NP	7.5 NP	12.5	4.7	
14		$ \qquad \qquad$	20	NP	15.0 NP	15.0 NP	11.0	9.4	
15		$A \square$	30	NP	22.5 NP	22.5 NP	16.5	14.0	
_			40	NP	30.0 NP	30.0 <u>NP</u>	22.0	18.7	
16	D ₂		50	NP	<u>37.5 NP</u>	<u>37.5 NP</u>	27.5	23.4	
47	- 2	\wedge	10	NP	NP	NP	NP	NP	
17			20 30	NP NP	NP NP	NP NP	NP NP	NP NP	
18			40	NP	NP	NP	NP	NP	
10			50	NP	NP	NP	NP	NP	
19			10	NP	NP	NP	7.5	6.4	
		Cripple wall below	20	NP	NP	NP	15.0	12.8	
20		one- or two-story dwelling	30	NP	NP	NP	22.5	19.1	
~			40	NP	NP	NP	30.0	25.5	
21			50	NP	NP	NP	37.5	31.9	
22	For SI: 1 inch = 25.4 NP = Not Permitted.	mm, 1 foot = 304.8 mm, 1 pou	ind per square foot =	0.0479 kPa,					
~~		lation shall be permitted.							
23	b. Wall bracing l associated wi	engths are based on a so th the seismic design cate	egories shall be p	permitted when a s					
24	c. Where the bra	vith Section 1613.2 of the aced wall line length is greater having lengths of 50	ater than 50 feet	, braced wall lines					
25	accordance w	ents having lengths of 50 rith this table. hall have gypsum board fa			-	-			
26	Table R602.3	(1) for exterior sheathing of exceed 8 inches.							
27	f. Where more t	and CS-SFB do not appl than one bracing method and PCP braced wall panel h/	is used, mixing n	nethods shall be in	accordance wi			HPS are	
~~		$n D_{\underline{0}}, D_{\underline{1}} and D_{\underline{2}}.$		<u> </u>	<u>, 1</u>	,	,,	<u></u>	
28									
				-113-					

Table R602.10.4 of the CRC is amended to read as follows:

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2 TABLE R602.10.4 BRACING METHODS 1 3 CONNECTION CRITERIA³ METHODS, MATERIAL MINIMUM THICKNESS FIGURE Fasteners Spacing 4 Wood: 2-8d common nails Wood: per stud and 1×4 wood or top and bottom plates approved metal straps or LIB 3-8d (21/2" long x 0.113" dia.) nails at 45° to 60° angles for 5 Let-in-bracing maximum 16" Metal: Metal strap: per manufacturer stud spacing per manufacturer 6 3/4" (1" nominal) for DWB 2-8d (21/2" long × 0.113" dia.) nails Diagonal maximum 24" or Per stud 7 wood boards stud spacing 2 - $1^{3}/_{4}^{"}$ long staples Exterior sheathing per-8d common (2 1/2"x0.131) nails WSP 6" edges 12" field 8 Table R602.3(3) 3/8" edge distance to panel edge Wood 3/ " structural panel 8d common (2 1/2°x0,131) nails Interior sheathing per-15/32" Varies by fastener 6" edges 12" field (See Section R604) 9 3/8" edge distance to panel edge Table R602.3(1) or R602.3(2) BV-WSP^a Wood structural 4" at panel edges 10 panels with stone 12" at intermediate 7/₁₆" See Figure R602.10.6.5 8d common $(2^{1}/_{2}" \times 0.131)$ nails supports 4" at braced or masonry veneer Intermittent Bracing Methods 11 (See Section wall panel end posts R602.10.6.5) $1^{1}/_{2}$ " long × 0.12" dia. (for $1/_{2}$ " thick SFB 12 1/2" or 25/32" for sheathing) $1^{3}/_{4}$ " long × 0.12" dia. (for $^{23}/_{32}$ " thick sheathing) Structural maximum 16" 3" edges 6" field fiberboard stud spacing 13 sheathing galvanized roofing nails Nails or screws per Table R602.3(1) for For all braced wall exterior locations 14 panel locations: 7" GB 1/2" edges (including top Gypsum board Nails or screws per Table R702.3.5 for and bottom plates) 7" 15 interior locations field For 3/8", 6d common PBS 3/8" or 1/2" for (2" long × 0.113" dia.) nails 16 Particleboard maximum 16" 3" edges 6" field sheathing For 1/,", 8d common stud spacing (See Section R605) (21/," long × 0.131" dia.) nails 17 11/2" long, 11 gage, 7/16" dia. head nails PCP See Section R703.7 for 6" o.c. on all framing Portland maximum 16" or members 18 cement plaster stud spacing ⁷/_a" long, 16 gage staples ^g 0.092" dia., 0.225" dia. head nails with HPS 7/16" for maximum 16' length to accommodate 11/2 Hardboard 4" edges 8" field 19 stud spacing penetration into studs panel siding 20 ABW See ³/₈" Alternate See Section R602.10.6.1 Section R602.10.6.1 braced wall 21 (continued) 22 23 24 25 26 27

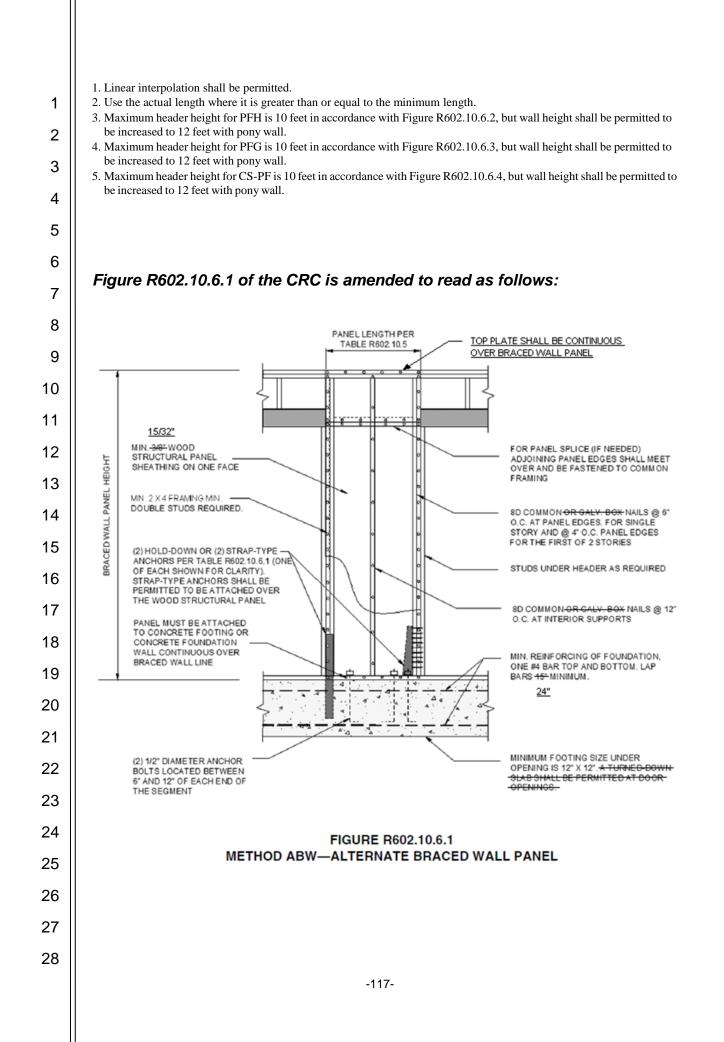
				CONNECTION	CONNECTION CRITERIA*		
n	METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	Fasteners	Spacing		
g Methods	PFH Portal frame with hold-downs	³ / ₈ "		See Section R602.10.6.2	See Section R602.10.6.2		
Intermittent Bracing Methods	PFG Portal frame at garage	7/ ₁₆ "		See Section R602.10.6.3	See Section R602.10.6.3		
	CS-WSP Continuously sheathed	3/ " 3/8	common (2 1/2"x0.131) n " edge distance to panel e	Ige Table R602.3(3)	6" edges 12" field		
spo	wood structural panel	<u>15/32"</u> <u>8d con</u> <u>3/8" ec</u>	nmon (2 1/2"x0.131) nails age distance to panel edge	Interior sheathing per- Table R602.3(1) or R602.3(2)	Varies by fastener 6" edges 12" field		
Continuous Sheathing Methods	CS-G ^{h, c} Continuously sheathed wood structural panel adjacent to garage openings	$\frac{-3f_{8}'''}{15/32''}$		See Method CS-WSP	See Method CS-WSP		
inuous S	CS-PF Continuously sheathed portal frame	<u>-7/16"</u> 15/32"		See Section R602.10.6.4	See Section R602.10.6.4		
Cont	CS-SFB ⁴ ^f Continuously sheathed structural fiberboard	¹ / ₂ " or ²⁵ / ₃₂ " for maximum 16" stud spacing		$1^{1/2}$ " long × 0.12" dia. (for $1^{1/2}$ " thick sheathing) $1^{3/4}$ " long × 0.12" dia. (for $2^{27/32}$ " thick sheathing) galvanized roofing nails	3" edges 6" field		
b. Ap De c. Ga	pplies to panels next to gara esign Categories D_0 , D_1 and	ge door opening where su D ₂ , roof covering dead los Method CS-G panel shall	pporting gable end wall or re ad shall not exceed 3 psf.	in Seismic Design Categories C, D_0 , oof load only. Shall only be used on accordance with Table R602.5(1). A	one wall of the garage. In Se		
b. Ap De c. Ga be d. Me e. Me <u>f. Me</u>	pplies to panels next to gara esign Categories D_0 , D_1 and arage openings adjacent to a permitted adjacent to a Met ethod CS-SFB does not appl ethod applies to detached or ethods GB and PCP braced rmitted in SDC D_0 , D_1 , or E	ge door opening where su D ₂ , roof covering dead loc Method CS-G panel shall thod CS-G panel. ly in Seismic Design Categ ne- and two-family dwellir wall panel h/w ratio shall D ₂ .	pporting gable end wall or ro ad shall not exceed 3 psf. be provided with a header in gories D_0 , D_1 and D_2 . gs in Seismic Design Catego <u>not exceed 1:1 in SDC D_0, D</u>	oof load only. Shall only be used on accordance with Table R602.5(1). A	one wall of the garage. In Se		
b. Ap De c. Ga be d. Me e. Me <u>f. Me</u>	pplies to panels next to gara esign Categories D_0 , D_1 and arage openings adjacent to a permitted adjacent to a Met ethod CS-SFB does not appl ethod applies to detached or ethods GB and PCP braced	ge door opening where su D ₂ , roof covering dead loc Method CS-G panel shall thod CS-G panel. ly in Seismic Design Categ ne- and two-family dwellir wall panel h/w ratio shall D ₂ .	pporting gable end wall or ro ad shall not exceed 3 psf. be provided with a header in gories D_0 , D_1 and D_2 . gs in Seismic Design Catego <u>not exceed 1:1 in SDC D_0, D</u>	oof load only. Shall only be used on accordance with Table R602.5(1). A ries D_0 through D_2 only.	one wall of the garage. In Sei		
b. Ap De c. Ga be d. Me e. Me <u>f. Me</u>	pplies to panels next to gara esign Categories D_0 , D_1 and arage openings adjacent to a permitted adjacent to a Met ethod CS-SFB does not appl ethod applies to detached or ethods GB and PCP braced rmitted in SDC D_0 , D_1 , or E	ge door opening where su D ₂ , roof covering dead loc Method CS-G panel shall thod CS-G panel. ly in Seismic Design Categ ne- and two-family dwellir wall panel h/w ratio shall D ₂ .	pporting gable end wall or ro ad shall not exceed 3 psf. be provided with a header in gories D_0 , D_1 and D_2 . gs in Seismic Design Catego <u>not exceed 1:1 in SDC D_0, D</u>	oof load only. Shall only be used on accordance with Table R602.5(1). A ries D_0 through D_2 only.	one wall of the garage. In Sei		
b. Ap De c. Ga be d. Me e. Me <u>f. Me</u>	pplies to panels next to gara esign Categories D_0 , D_1 and arage openings adjacent to a permitted adjacent to a Met ethod CS-SFB does not appl ethod applies to detached or ethods GB and PCP braced rmitted in SDC D_0 , D_1 , or E	ge door opening where su D ₂ , roof covering dead loc Method CS-G panel shall thod CS-G panel. ly in Seismic Design Categ ne- and two-family dwellir wall panel h/w ratio shall D ₂ .	pporting gable end wall or ro ad shall not exceed 3 psf. be provided with a header in gories D_0 , D_1 and D_2 . gs in Seismic Design Catego <u>not exceed 1:1 in SDC D_0, D</u>	oof load only. Shall only be used on accordance with Table R602.5(1). A ries D_0 through D_2 only.	one wall of the garage. In Sei		
b. Ap De c. Ga be d. Me e. Me <u>f. Me</u>	pplies to panels next to gara esign Categories D_0 , D_1 and arage openings adjacent to a permitted adjacent to a Met ethod CS-SFB does not appl ethod applies to detached or ethods GB and PCP braced rmitted in SDC D_0 , D_1 , or E	ge door opening where su D ₂ , roof covering dead loc Method CS-G panel shall thod CS-G panel. ly in Seismic Design Categ ne- and two-family dwellir wall panel h/w ratio shall D ₂ .	pporting gable end wall or ro ad shall not exceed 3 psf. be provided with a header in gories D_0 , D_1 and D_2 . gs in Seismic Design Catego <u>not exceed 1:1 in SDC D_0, D</u>	oof load only. Shall only be used on accordance with Table R602.5(1). A ries D_0 through D_2 only.	one wall of the garage. In Sei		
b. Ap De c. Ga be d. Me e. Me <u>f. Me</u>	pplies to panels next to gara esign Categories D_0 , D_1 and arage openings adjacent to a permitted adjacent to a Met ethod CS-SFB does not appl ethod applies to detached or ethods GB and PCP braced rmitted in SDC D_0 , D_1 , or E	ge door opening where su D ₂ , roof covering dead loc Method CS-G panel shall thod CS-G panel. ly in Seismic Design Categ ne- and two-family dwellir wall panel h/w ratio shall D ₂ .	pporting gable end wall or ro ad shall not exceed 3 psf. be provided with a header in gories D_0 , D_1 and D_2 . gs in Seismic Design Catego <u>not exceed 1:1 in SDC D_0, D</u>	oof load only. Shall only be used on accordance with Table R602.5(1). A ries D_0 through D_2 only.	one wall of the garage. In Sei		
b. Ap De c. Ga be d. Me e. Me <u>f. Me</u>	pplies to panels next to gara esign Categories D_0 , D_1 and arage openings adjacent to a permitted adjacent to a Met ethod CS-SFB does not appl ethod applies to detached or ethods GB and PCP braced rmitted in SDC D_0 , D_1 , or E	ge door opening where su D ₂ , roof covering dead loc Method CS-G panel shall thod CS-G panel. ly in Seismic Design Categ ne- and two-family dwellir wall panel h/w ratio shall D ₂ .	pporting gable end wall or ro ad shall not exceed 3 psf. be provided with a header in gories D_0 , D_1 and D_2 . gs in Seismic Design Catego <u>not exceed 1:1 in SDC D_0, D</u>	oof load only. Shall only be used on accordance with Table R602.5(1). A ries D_0 through D_2 only.	one wall of the garage. In Sei		
b. Ap De c. Ga be d. Me e. Me <u>f. Me</u>	pplies to panels next to gara esign Categories D_0 , D_1 and arage openings adjacent to a permitted adjacent to a Met ethod CS-SFB does not appl ethod applies to detached or ethods GB and PCP braced rmitted in SDC D_0 , D_1 , or E	ge door opening where su D ₂ , roof covering dead loc Method CS-G panel shall thod CS-G panel. ly in Seismic Design Categ ne- and two-family dwellir wall panel h/w ratio shall D ₂ .	pporting gable end wall or ro ad shall not exceed 3 psf. be provided with a header in gories D_0 , D_1 and D_2 . gs in Seismic Design Catego <u>not exceed 1:1 in SDC D_0, D</u>	oof load only. Shall only be used on accordance with Table R602.5(1). A ries D_0 through D_2 only.	one wall of the garage. In Sei A full-height clear opening shal		
b. Ap De c. Ga be d. Me e. Me <u>f. Me</u>	pplies to panels next to gara esign Categories D_0 , D_1 and arage openings adjacent to a permitted adjacent to a Met ethod CS-SFB does not appl ethod applies to detached or ethods GB and PCP braced rmitted in SDC D_0 , D_1 , or E	ge door opening where su D ₂ , roof covering dead loc Method CS-G panel shall thod CS-G panel. ly in Seismic Design Categ ne- and two-family dwellir wall panel h/w ratio shall D ₂ .	pporting gable end wall or ro ad shall not exceed 3 psf. be provided with a header in gories D_0 , D_1 and D_2 . gs in Seismic Design Catego <u>not exceed 1:1 in SDC D_0, D</u>	oof load only. Shall only be used on accordance with Table R602.5(1). A ries D_0 through D_2 only.	one wall of the garage. In Sei A full-height clear opening shal		

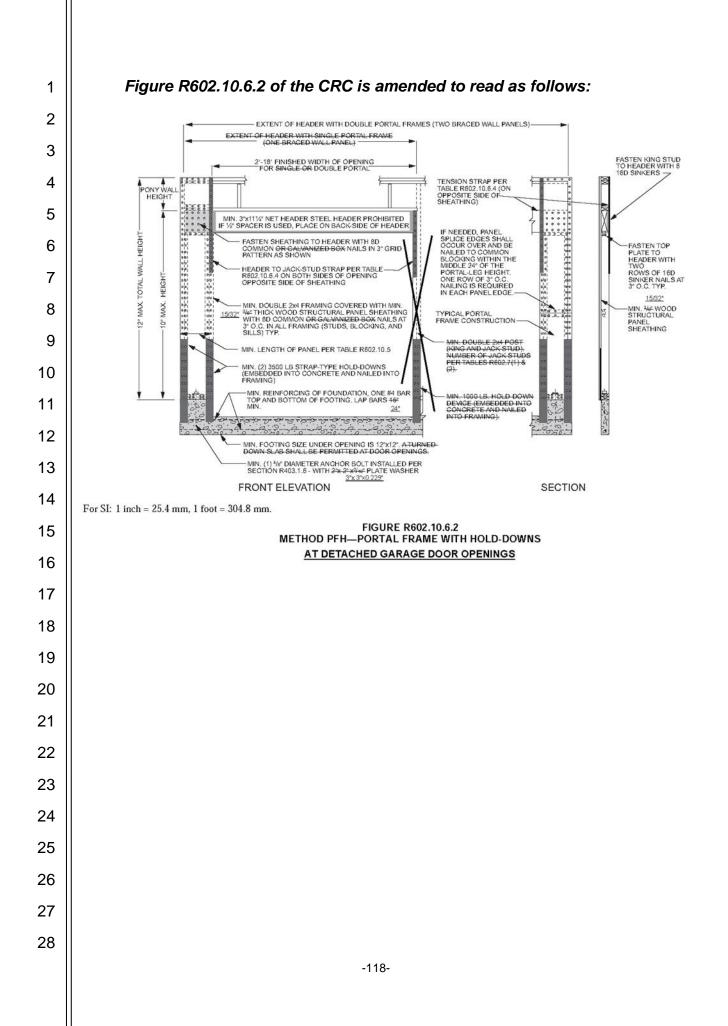
TABLE R602.10.4-continued

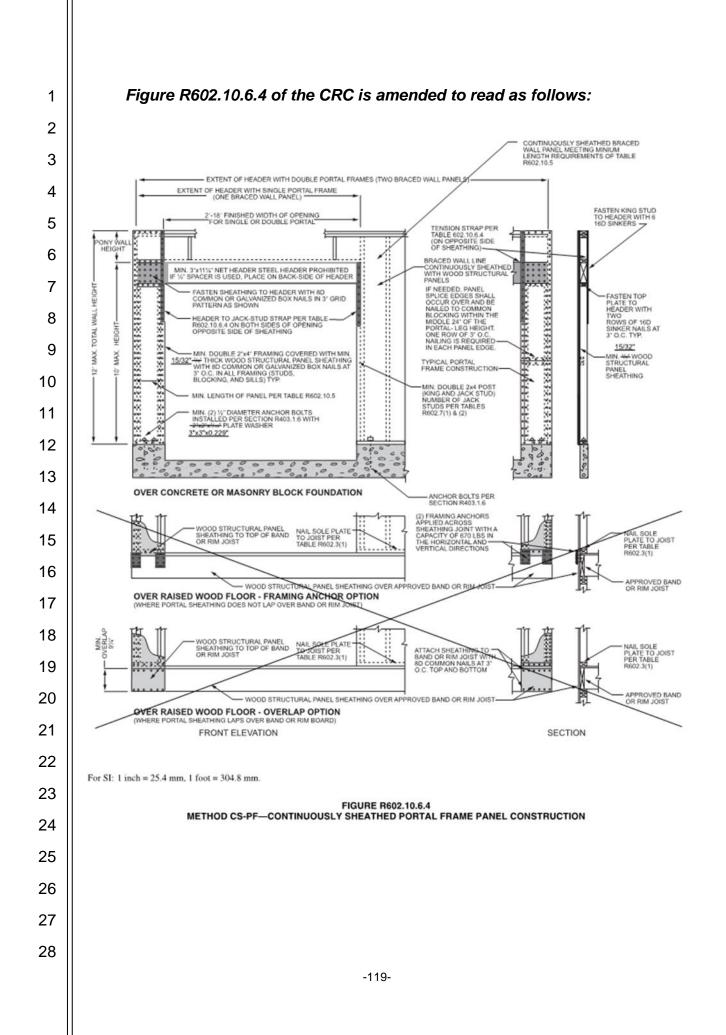
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Table R602.10.5 of the CRC is amended to read as follows:

2	Tab	le R602.10.5 - MINIMUM	LENGT	h of Bf		VALL PA	NELS		
3	METHOD (See Table R602.10.4)			М	INIMUM LEN (inches)			CONTRIBUTING	
4			Wall Height				LENGTH (inches)		
4		8 feet	9 feet	10 feet	11 feet	12 feet			
5	DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP		48	48	48	53	58	Actual ^b	
6	GB		48	48	48	53	58	Double sided = Actual Single sided = 0.5 × Actual	
-		LIB	55	62	69	NP	NP	Actual ^b	
7 8	ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	48	
9	AD W	SDC D_0 , D_1 and D_2 , ultimate design wind speed < 140 mph	32	32	34	NP	NP	40	
10	(CS-G	24	27	30	33	36	Actual ^b	
11		Adjacent clear opening height (inches)							
12		≤ 64	24	27	30	33	36		
12		68	26	27	30	33	36		
13		72	27	27	30	33	36		
		76	30	29	30	33	36		
14		80	32	30	30	33	36		
45		84	35	32	32	33	36		
15		88	38	35	33 35	33	36		
16		92 96	43 48	37 41	33	35 36	36 36		
	CS-WSP, CS-SFB	100		44	40	38	38		
17		100		49	43	40	39	Actual ^b	
10		108		54	46	43	41		
18		112			50	45	43		
19		116			55	48	45		
		120			60	52	48		
20		124		—	—	56	51		
~ 1		128				61	54		
21		132				66	58		
22		136					62		
		140 144					66 72		
23	ME	ETHOD		_	Porta	al header heig			
		le R602.10.4)	8 feet	9 feet	10 feet	11 feet	12 feet		
24	DETI	Supporting roof only	16 <u>24</u>	16 <u>24</u>	16 <u>24</u>	Note c	Note c	49	
25	PFH	Supporting one story and roof	24	24	24	Note c	Note c	48	
20		PFG	24	27	30	Note d	Note d	$1.5 \times Actual^{b}$	
26	CS-PF	SDC A, B and C	16	18	20	Note e	Note e	$1.5 \times \text{Actual}^{\text{b}}$	
		SDC D_0 , D_1 and D_2	16 <u>24</u>	<u>18 24</u>	20 <u>24</u>	Note e	Note e	Actual ^b	
27	For SI: 1 inch = 25.4 mm,	1 foot = 304.8 mm, 1 mile per h	our = 0.44	47 m/s.					
28	NP = Not Permitted.								







Section R606.4.4 of the CRC is amended to read as follows:

R606.4.4 Parapet walls. Unreinforced solid masonry parapet walls shall not be less than 8 inches (203 mm) thick and their height shall not exceed four times their thickness. Unreinforced hollow unit masonry parapet walls shall be not less than 8 inches (203 mm) thick, and their height shall not exceed three times their thickness. Masonry parapet walls in areas subject to wind loads of 30 pounds per square foot (1.44 kPa) or located in Seismic Design Category D₀, D₁ or D₂, <u>or</u> on townhouses in Seismic Design Category C shall be reinforced in accordance with Section R606.12.

Section R606.12.2.2.3 of the CRC is amended to read as follows:

R606.12.2.2.3 Reinforcement requirements for masonry elements. Masonry elements listed in Section R606.12.2.2.2 shall be reinforced in either the horizontal or vertical direction as shown in Figure R606.11(2) R606.11(3) and in accordance with the following:

- 1. Horizontal reinforcement. Horizontal joint reinforcement shall consist of at least two longitudinal W1.7 wires spaced not more than 16 inches (406 mm) for walls greater than 4 inches (102 mm) in width and at least one longitudinal W1.7 wire spaced not more than 16 inches (406 mm) for walls not exceeding 4 inches (102 mm) in width; or at least one No. 4 bar spaced not more than 48 inches (1219 mm). Where two longitudinal wires of joint reinforcement are used, the space between these wires shall be the widest that the mortar joint will accommodate. Horizontal reinforcement shall be provided within 16 inches (406 mm) of the top and bottom of these masonry elements.
 - Vertical reinforcement. Vertical reinforcement shall consist of at least one No.
 4 bar spaced not more than 48 inches (1219 mm). Vertical reinforcement shall be within 168 inches (406203 mm) of the ends of masonry walls.

1	Section R803.2.4 is added to Chapter 8 of the CRC to read as follows:
2	R803.2.4 Openings in horizontal diaphragms. Openings in horizontal
3	diaphragms shall conform with Section R503.2.4.
4	
5	Section R905.3.1 of the 2019 Edition of the CRC is amended to read as
6	follows:
7	R905.3.1 Deck requirements. Concrete and clay tile shall be installed only
8	over solid sheathing or spaced structural sheathing boards.
9	Exception: Spaced lumber shall be permitted in Seismic Design Categories A, B,
10	and C.
11	
12	Section R1001.3.1 of the CRC is amended to read as follows:
13	R1001.3.1 Vertical reinforcing. For chimneys up to 40 inches (1016 mm) wide,
14	four No. 4 continuous vertical bars adequately anchored into the concrete foundation
15	shall be placed between wythes of solid masonry or within the cells of hollow unit
16	masonry and grouted in accordance with Section R606. Grout shall be prevented from
17	bonding with the flue liner so that the flue liner is free to move with thermal expansion.
18	For chimneys more than 40 inches (1016 mm) wide, two additional No. 4 vertical bars
19	adequately anchored into the concrete foundation shall be provided for each additional
20	flue incorporated into the chimney or for each additional 40 inches (1016 mm) in width
21	or fraction thereof.
22	
23	SECTION 6: CCMC Section 15.02.120 having been repealed in Section 2
24	above, is hereby replaced as follows:
25	§15.02.120 California Electrical Code Adopted by Reference
26	Pursuant to California Government Code §§ 50022.1 to 50022.8, the California
27	Electrical Code, 2019 Edition, published at Title 24, Part 3, of the California Code of
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	-121-

Regulations, including Annexes A thru J ("CEC") is adopted by reference, subject to the
 amendments, additions and deletions set forth below. One true copy of the CEC is on
 file in the office of the Building Official and is available for public inspection as required
 by law.

SECTION 7: CCMC Section 15.02.125, having been repealed in Section 2 above, is hereby replaced as follows:

§15.02.125 CALIFORNIA MECHANICAL CODE ADOPTED BY REFERENCE WITH LOCAL AMENDMENTS.

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Adoption of California Mechanical Code, 2019 Edition.

Pursuant to California Government Code § 50022.1 to 50022.8, the California
Mechanical Code, 2019 Edition, published at Title 24, Part 4, of the California Code of
Regulations, including Appendices A through G ("CMC") is adopted by reference,
subject to the amendments, additions and deletions set forth below. One true copy of
the CMC, is on file in the office of the Building Official and is available for public
inspection as required by law."

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B. Amendments to the Code.

Section 104.0 of the CMC is hereby amended as follows:

CMC Section 104.0 Permits is deleted in its entirety. The 2019 California Building Code, as incorporated into the Culver City Municipal Code, will govern the administration of the CMC.

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Section 104.5 of the CMC is hereby amended as follows:

CMC Section 104.5 Fees is deleted in its entirety. The 2019 California Building Code, as incorporated into the Culver City Municipal Code, will govern the administration of the CMC.

SECTION 8: CCMC Section 15.02.130, having been repealed in Section 2 above, is hereby replaced as follows (NOTE: Amendments adding text to the Plumbing Code are shown by underline; strikethrough denotes deletions):

§15.02.130 CALIFORNIA PLUMBING CODE ADOPTED BY REFERENCE WITH LOCAL AMENDMENTS.

A. Adoption of California Plumbing Code, 2019 Edition.

Pursuant to California Government Code § 50022.1 to 50022.8, the California Plumbing Code, 2019 Edition, published at Title 24, Part 5, of the California Code of Regulations, including Appendices A, B, D, I, and L ("CPC") is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of 10 the CPC is on file in the office of the Building Official and is available for public 12 inspection as required by law.

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B. Amendments to the Code.

CPC Section 104.4.3 (Expiration) and Section 104.4.4 (Extensions) are deleted in its entirety. The 2019 California Building Code, as incorporated into the Culver City Municipal Code, will govern the administration of the CPC.

CPC Section 1208.13.1 Seismic Gas Shutoff Valves is added to the 2019 CPC to read as follows:

1208.13.1 Seismic Gas Shutoff Valves

1208.13.1.1 Scope. A seismic gas shutoff valve shall be installed in compliance with the requirements of this section on each gas fuel line in the following:

1208.13.1.1.1 Any building or structure for which a building permit was first issued on or after January 9, 2020.

1208.13.1.1.2. Any building or structure which is altered or expanded under a 25 building permit first issued on or after January 9, 2020, when such alteration or addition 26 27 is valued at more than \$10,000.

1	1208.13.1.1.3. Any building or structure sold on or after January 9, 2020.
2	However, when an individual condominium unit is sold in a building that has multiple
3	gas lines, then the requirements of this section shall apply only to the line or lines
4	serving the condominium unit that has been sold.
5	1208.13.1.2. Maintenance. Where the installation of a seismic gas shutoff valve
6	is required by this section in any building or structure, that seismic gas shutoff valve
7	shall be maintained for the life of that building or structure or shall be replaced with a
8	valve complying with the requirements of this section.
9	1208.13.1.3 General Requirements. Where the installation of a seismic gas
10	shutoff valve on a fuel line is required by this section, that valve must:
11	1208.13.1.3.1 Be mounted rigidly to the exterior of the building or structure
12	containing the fuel line unless the building official determines that the seismic gas
13	shutoff valve has been tested and listed for an alternate method of installation.
14	1208.13.1.3.2 Be installed downstream of the gas utility meter, except that a
15	valve may be installed upstream of the gas utility meter at the discretion of the gas
16	utility if the valve would otherwise meet the requirements of this section.
17	1208.13.1.3.3 Be listed by an approved testing laboratory and certified by the
18	Office of the State Architect.
19	1208.13.1.3.4 Have a thirty-year warranty which warrants that the valve is free
20	from defects and will continue to properly operate for thirty years from the date of
21	operation.
22	1208.13.1.4 Critical Facilities. The requirements of this Section shall not apply
23	to any building that is used by any public agency for the provision of emergency
24	services, including fire, police, and similar public safety services.
25	1208.13.1.5 Definitions. For purposes of this section, certain terms shall be
26	defined as follows:
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	-124-

1	1208.13.1.5.1 Downstream of the Gas utility meter shall refer to all customer
2	owned gas piping.
3	1208.13.1.5.2 Seismic Gas Shutoff Valve shall mean a system consisting of a
4	seismic sensing means and actuating means designed to automatically actuate a
5	companion gas shutoff means installed in a gas piping system in order to shut off the
6	gas downstream of the location of the gas shutoff means in the event of a severe
7	seismic disturbance. The system may consist of separable components or may
8	incorporate all functions in a single body. The terms "seismically activated gas shutoff
9	valves" and "earthquake sensitive gas shutoff valves," are synonymous.
10	1208.13.1.5.3 Upstream of the Gas Utility meter shall refer to all gas piping
11	installed by the utility up to and including the meter and the utility's bypass toe at the
12	connection to the customer owned piping.
13	
14	SECTION 9: CCMC Section 15.02.135, having been repealed in Section 2
15	above, is hereby replaced as follows:
16	§15.02.135 CALIFORNIA ENERGY CODE ADOPTED BY REFERENCE
17	Pursuant to California Government Code §§ 50022.1 to 50022.8, the California
18	Energy Code ("CEC"), 2019 Edition, published at Title 24, Part 6, of the California Code
19	of Regulations. One true copy of the CEC, is on file in the office of the Building Official
20	and is available for public inspection as required by law."
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22	SECTION 10: CCMC Section 15.02.140, having been repealed in Section 2
23	above, is hereby replaced as follows
24	§15.02.140 CALIFORNIA HISTORICAL BUILDING CODE ADOPTED BY
25	REFERENCE
26	Pursuant to California Government Code §§ 50022.1 to 50022.8, the California
27	Historical Building Code ("CHBC"), 2019 Edition, published at Title 24, Part 8, of the
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California Code of Regulations. One true copy of the HBC is on file in the office of the Building Official and is available for public inspection as required by law.

SECTION 11: CCMC Section 15.02.145, having been repealed in Section 2 above, is hereby replaced as follows:

§15.02.145 CALIFORNIA EXISTING BUILDING CODE ADOPTED BY REFERENCE WITH LOCAL AMENDMENTS.

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A. Adoption of California Existing Building Code, 2019 Edition.

Pursuant to California Government Code § 50022.1 to 50022.8, the California Existing Building Code ("CEBC"), 2019 Edition, published at Title 24, Part 10, of the California Code of Regulations, is adopted by reference, subject to the amendments, additions and deletions set forth below.

Appendix A (Guidelines for Seismic Retrofit of Existing Buildings) with Chapters A1, A2, A3, A4 is also adopted as Voluntary Earthquake Hazard Reduction Measures in Existing Buildings (Voluntary Seismic Retrofit). One true copy of the CEBC, is on file in the office of the Building Official and is available for public inspection as required by law."

B. Amendments to the Code.

RESERVED for Mandatory Reduction in Wood frame Residential Buildings with Soft, Weak or Open Front Walls (SWOF).

SECTION 12: CCMC Section 15.02.150, having been repealed in Section 2
above, is hereby replaced as follows (NOTE: Amendments adding text to the Building
Code are shown by <u>underline</u>; strikethrough denotes deletions):

25 §15.02.150 CALIFORNIA GREEN BUILDINGS STANDARDS CODE ADOPTED
 26 BY REFERENCE WITH LOCAL AMENDMENTS.

A. Adoption of California Green Building Standards Code, 2019 Edition.

Pursuant to California Government Code § 50022.1 to 50022.8, the California Green Building Standards Code, 2019 Edition, published at Title 24, Part 11, of the California Code of Regulations ("CGBSC") is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the CGBSC, is on file in the office of the Building Official and is available for public inspection as required by law."

B. Amendments to the Code:

Section 4.106.4.2 of the 2019 Edition of the California Green Building Standards Code is amended to read as follows:

4.106.4.2 New multifamily dwellings. If residential parking is available, ten (10)
twenty-five (25) percent of the total number of parking spaces on a building site,
provided for all types of parking facilities, shall be electric vehicle charging spaces (EV
spaces) capable of supporting future EVSE and five (5) percent of the total number of
parking spaces on a building site, provided for all types of parking facilities, shall be
electric vehicle charging stations (EVCS). Calculations for the required number of EV
spaces and EVCS shall be rounded up to the nearest whole number.

Notes:

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1. Construction documents are intended to demonstrate the project's capability and capacity for facilitating future EV charging.

2. There is no requirement for EV spaces to be constructed or available until EV chargers are installed for use.

Section 4.106.4.3, Section 4.106.4.3.1 and Table 4.106.4.3.1 of the 2019 Edition of the California Green Building Standards Code are amended to read as follows:

1	4.1	06.4.3 New hotels and	d motels. All newly construc	ted hotels and motels shall	
2	provide EV spaces capable of supporting future installation of EVSE and EVCS. The				
3	construction documents shall identify the location of the EV spaces and EVCS.				
		tes:	,,		
4					
5	1.	Construction documer	its are intended to demonstr	ate the project's capability	
6		and capacity for facilitation	ating future EV charging.		
7	2.	There is no requireme	nt for EV spaces to be const	ructed or available until EV	
8		chargers are installed	for use.		
9		4.106.4.3.1 Numbe	er of required EV spaces <u>a</u>	nd EVCS. The number of	
10	rec	uired EV <u>spaces and E</u>	EVCS shall be based on the	total number of parking	
11	spa	aces provided for all typ	be of parking facilities in acco	ordance with Table	
12	4.1	06.4.3.1. Calculation for	or the required number of EV	/ spaces <u>and EVCS</u> shall	
13	be	rounded up to the near	rest whole number.		
14			TABLE 4.106.4.3.1		
		TOTAL NUMBER OF	NUMBER OF	NUMBER OF	
15			REQUIRED EV SPACES	REQUIRED EVCS	
		PARKING SPACES 0-9	REQUIRED EV SPACES	<u>REQUIRED EVCS</u> <u>0</u>	
16	-	PARKING SPACES 0-9 10-25	0 4 <u>3</u>	<u>0</u> <u>1</u>	
		PARKING SPACES 0-9 10-25 26-50	0 4 <u>3</u> 2 <u>7</u>	<u>0</u> <u>1</u> <u>2</u>	
16 17		PARKING SPACES 0-9 10-25 26-50 51-75	0 4 <u>3</u> 2 <u>7</u> 4 <u>13</u>	0 1 2 3	
16 17 18		PARKING SPACES 0-9 10-25 26-50 51-75 76-100	0 4 <u>3</u> 2 <u>7</u> 4 <u>13</u> 5 <u>19</u>	<u>0</u> <u>1</u> <u>2</u> <u>3</u> <u>4</u>	
16 17		PARKING SPACES 0-9 10-25 26-50 51-75 76-100 101-150	0 <u>43</u> <u>27</u> 4 <u>13</u> <u>519</u> <u>726</u>	0 1 2 3 4 6	
16 17 18 19		PARKING SPACES0-910-2526-5051-7576-100101-150151-200	$ \begin{array}{r} 0 \\ 1 \underline{3} \\ 2 \underline{7} \\ 4 \underline{13} \\ 5 \underline{19} \\ 7 \underline{26} \\ 10 \underline{38} \end{array} $	0 1 2 3 4 6 8	
16 17 18		PARKING SPACES 0-9 10-25 26-50 51-75 76-100 101-150	0 <u>43</u> <u>27</u> 4 <u>13</u> <u>519</u> <u>726</u>	0 1 2 3 4 6	
16 17 18 19		PARKING SPACES0-910-2526-5051-7576-100101-150151-200	$ \begin{array}{r} 0 \\ 1 \underline{3} \\ 2 \underline{7} \\ 4 \underline{13} \\ 5 \underline{19} \\ 7 \underline{26} \\ 10 \underline{38} \end{array} $	0 1 2 3 4 6 8	
16 17 18 19 20		PARKING SPACES0-910-2526-5051-7576-100101-150151-200	$ \begin{array}{r} 0 \\ 1 \underline{3} \\ 2 \underline{7} \\ 4 \underline{13} \\ 5 \underline{19} \\ 7 \underline{26} \\ 10 \underline{38} \end{array} $	0 1 2 3 4 6 8	
16 17 18 19 20 21		PARKING SPACES 0-9 10-25 26-50 51-75 76-100 101-150 151-200 201 and over	$ \begin{array}{r} 0 \\ 1 \underline{3} \\ 2 \underline{7} \\ 4 \underline{13} \\ 5 \underline{19} \\ 7 \underline{26} \\ 10 \underline{38} \end{array} $	0 1 2 3 4 6 8 5 percent of total	
16 17 18 19 20 21 22	Se	PARKING SPACES 0-9 10-25 26-50 51-75 76-100 101-150 151-200 201 and over	0 <u>43</u> <u>27</u> 4 <u>13</u> <u>519</u> <u>726</u> <u>1038</u> <u>625</u> percent of total	0 1 2 3 4 6 8 5 percent of total 19 Edition of the	
16 17 18 19 20 21 22 23	Se	PARKING SPACES 0-9 10-25 26-50 51-75 76-100 101-150 151-200 201 and over	0 <u>4 3</u> <u>2 7</u> <u>4 13</u> <u>5 19</u> <u>7 26</u> <u>10 38</u> <u>6 25 percent of total</u> Table 5.106.5.3.3 of the 20	0 1 2 3 4 6 8 5 percent of total	
16 17 18 19 20 21 22 23 24	Se California 5.1	PARKING SPACES 0-9 10-25 26-50 51-75 76-100 101-150 151-200 201 and over	0 <u>4 3</u> <u>2 7</u> <u>4 13</u> <u>5 19</u> <u>7 26</u> <u>10 38</u> <u>6 25 percent of total</u> Table 5.106.5.3.3 of the 20 adards Code are amended	0 1 2 3 4 6 8 5 percent of total	
16 17 18 19 20 21 22 23 24 25	Se California 5.1 Table 5.1	PARKING SPACES 0-9 10-25 26-50 51-75 76-100 101-150 151-200 201 and over	0 <u>4 3</u> <u>2 7</u> <u>4 13</u> <u>5 19</u> <u>7 26</u> <u>10 38</u> <u>6 25 percent of total</u> Table 5.106.5.3.3 of the 20 ndards Code are amended g space and charging st	0 1 2 3 4 6 8 5 percent of total	

1	the required number of EV ch	arging spaces	and EVCS shall be	rounded up to the		
2	nearest whole number.					
3	Exceptions: On a case-by-case basis where the local enforcing agency has					
4	determined EV charging and ir	frastructure is	not feasible based u	pon one or more of		
5	the following conditions:					
6	1. Where there is insuf	icient electrica	al supply.			
7	2. Where there is evide	nce suitable to	o the local enforcing a	agency substantiating		
8	that additional local u	utility infrastruc	cture design requirem	ents, directly related		
9	to the implementatio	n of Section 5.	.106.5.3, may advers	ely impact the		
10	construction cost of t	he project.				
11		TABLE 5.1	06.5.3.3			
12	TOTAL NUMBER (ACTUAL PARKIN		NUMBER OF REQUIRED EV	NUMBER OF REQUIRED EVCS		
13	SPACES		ARGING SPACES	<u>REQUIRED EVCS</u>		
15	0-9		0	0		
14	10-25		4 <u>3</u>	1		
	26-50		27	2		
15	51-75		4 <u>13</u>	3		
16	76-100		5 <u>19</u>	4		
	101-150		7 26	6		
17	151-200		<u>10 38</u>	8		
40	201 and over	6 2	5 percent of total ⁴	5 percent of total		
18 19	1. Calculation for space	s shall be rounde	ed up to the nearest whole	number.		
20						
	SECTION 13. CCMC S	ection 15.02.1	55, having been repe	ealed in Section 2		
21 22	above, is hereby replaced as fo	ollows:				
23	§15.02.155 CALIFORN	A REFERENC	CE STANDARDS CO	DE ADOPTED BY		
24	REFERENCE					
25	A. The 2019 Edition	of the Califorr	nia Reference Standa	irds Code, published		
26	by the International Code Cour	ncil, and all ap	pendices, amendmer	its, supplements and		
20	errata thereto, is hereby adopted	ed by referenc	e and shall be applica	able to the City of		
	Culver City, and referred to as	the "Reference	e Standards Code of	the City of Culver		
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City." One copy of the Reference Standards Code of the City of Culver City shall be kept on file in the Building Official's office for public inspection.

SECTION 14: CCMC Section 15.02.160, is hereby added as follows: §15.02.160 INTERNATIONAL PROPERTY MAINTENANCE CODE ADOPTED BY REFERENCE WITH LOCAL AMENDMENTS.

A. Adoption of International Property Maintenance Code, 2018 Edition.

Pursuant to California Government Code § 50022.1 to 50022.8, the International Property Maintenance Code ("IPMC"), 2018 Edition, promulgated and published by the International Code Council, including Appendix A, is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the IPMC, is on file in the office of the Building Official and is available for public inspection as required by law."

B. Amendments to the Code.

Section [A]111.2 of the IPMC is hereby amended as follows:

IPMC Section [A] 111.2 Membership of board, is deleted in its entirety. The 2019 California Building Code, as incorporated into the Culver City Municipal Code, will govern the administration of the IPMC.

Sections [A]111.2.1 through [A]111.8 of the IPMC are hereby deleted.

SECTION 15: Subchapter 15.02.1100 of the Culver City Municipal Code ("CCMC") is hereby repealed and replaced as follows (Note: Amendments adding text to the State Codes are shown by <u>underline</u>; strikethrough denotes deletions):

Local Amendments to the Green Building Standards Code, Building Code and Residential Building Code, to Establish Reach Codes Standards

§ 15.02.1100 ESTABLISHMENT AND PURPOSE OF REACH CODE STANDARDS.

The City has established Reach Code standards, which shall be administered by the Building Safety Division pursuant to the provisions of this Subchapter. The purpose of the Reach Code is to reduce the use of natural resources, create healthier living environments, and minimize the negative impacts of development on local, regional and global ecosystems. The City's Reach Code standards shall be in addition to all current State of California Title 24 Energy Code requirements.

§ 15.02.1105 DEFINITIONS.

Terms defined herein shall have the following meanings when used in this Subchapter:

APPLICANT. Any individual, firm, limited liability company, association, partnership,
political subdivision, government agency, municipality, industry or public or private
corporation, or any other entity whatsoever that applies to the City for the applicable
permits to undertake a qualifying project.

BUILDING OFFICIAL. The Building Official of the City of Culver City or his or her
designee.

19 **BUILDING SAFETY DIVISION.** The City's Building Safety Division and its staff.

CALGREEN. The California Green Building Standards Code (Title-24, Part 11,

21 California Code of Regulations)

22 CATEGORY 1 QUALIFYING PROJECT. The construction of a new low-rise
 23 residential building.

CATEGORY 2 QUALIFYING PROJECT. The addition to, or alteration of, an existing
low-rise residential building wherein the construction valuation of the proposed work
exceeds fifty percent (50%) of the replacement value of the existing building, as
determined by the Building Official.

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CATEGORY 3 QUALIFYING PROJECT. The construction of a new non-residential 1 2 building or a new high-rise building. **CATEGORY 4 QUALIFYING PROJECT.** The addition to, or alteration of, an existing 3 4 non-residential building or an existing high-rise building wherein either of the following conditions applies: 5 6 (a) The construction valuation of the proposed work exceeds fifty percent (50%) of the replacement value of the existing building, as determined by the Building Official; or 7 8 (b) The combined area of all alterations to the existing building and all additions to 9 the existing building exceeds 50,000 square feet. **CCMC.** The Culver City Municipal Code. 10 11 CITY. The City of Culver City. **DIRECTOR.** The Community Development Director of the City of Culver City or his or 12 her designee. 13 14 **PROJECT.** The qualifying project that is the subject of the permit application. 15 Construction projects that meet the definition of a Category 1 Qualifying Project, 16 17 Category 2 Qualifying Project, Category 3 Qualifying Project or Category 4 Qualifying 18 Project, shall comply with the provisions of Section 15.02.1120 through Section 15.02.1180, as applicable, and the provisions of the California Energy Code and 19 20 CALGreen. 21 § 15.02.1115 RESERVED. 22 23 § 15.02.1120 WATER PERMEABLE SURFACES. 24 Notwithstanding the provisions of this Chapter, Section 4.106.3.1 and Section 25 26 5.106.3 of the California Green Building Standards Code are hereby added to read as follows: 27 28 -132-

4	4 106 2.1 Water permaable curfaces for low rise residential building. Not
1	4.106.3.1 Water permeable surfaces for low-rise residential building. Not
2	less than 20 percent of new parking, walking or patio surfaces shall be permeable.
3	Exceptions:
4	1. The primary driveway, primary entry walkway and entry porch or landing shall not be
5	included when calculating the area required to be a permeable surface.
6	2. Required accessible routes for persons with disabilities as required by California Code
7	of Regulations, Title 24, Part 2, Chapter 11A and/or Chapter 11B as applicable.
8	5.106.3 Water permeable surfaces for other than low-rise residential
9	building. Not less than 20 percent of new parking, walking or patio surfaces shall be
10	permeable.
11	Exceptions:
12	1. The primary driveway, primary entry walkway and entry porch or landing shall not be
13	included when calculating the area required to be a permeable surface.
14	2. Required accessible routes for persons with disabilities as required by California Code
15	of Regulations, Title 24, Part 2, Chapter 11A and/or Chapter 11B as applicable.
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17	§ 15.02.1125 GRAY WATER.
18	Notwithstanding the provisions of this Chapter, Section 4.305.2 of the California
19	Green Building Standards Code is hereby added as follows:
20	4.305.2 Gray water for low-rise residential building. When a low-rise
21	residential building includes one or more dwelling units that contain a laundry connection
22	within the dwelling unit, all of the dwelling units containing a laundry connection shall
23	have a minimum of one (1) plumbing fixture constructed to divert gray water onto the
24	subject property in full compliance with Chapter 15 of the California Plumbing Code.
25	The plumbing fixture(s) connected to the gray water discharge system may be any
26	fixture(s) allowed to discharge gray water under the California Plumbing Code. The gray
27	water may be utilized for landscape irrigation or for percolation into the soil.
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2	§ 15.02.1130 LANDSCAPE IRRIGATION CONTROLS.
3	Notwithstanding the provisions of this Chapter, Section 4.304.2 and Section
4	5.304.2 of the California Green Building Standards Code are hereby added to read as
5	follows:
6	4.304.2 Landscape irrigation controls for low-rise residential building. All
7	new landscape irrigation shall utilize automatic irrigation controllers utilizing either
8	evapotranspiration or soil moisture sensor data for irrigation scheduling.
9	5.304.2 Landscape irrigation controls for other than low-rise residential
10	building. All new landscape irrigation shall utilize automatic irrigation controllers utilizing
11	either evapotranspiration or soil moisture sensor data for irrigation scheduling.
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13	§ 15.02.1135 LIGHT POLLUTION REDUCTION.
14	Notwithstanding the provisions of this Chapter, Section 4.509 of the California
15	Green Building Standards Code is hereby added to read as follows:
16	4.509 Light pollution reduction for low-rise residential building. All new
17	outdoor lighting fixtures shall comply with the maximum allowable Backlight, Uplight and
18	Glare (BUG) ratings listed in Table A4.106.10 of CALGreen.
19	
20	§ 15.02.1140 ENHANCED CONSTRUCTION WASTE REDUCTION.
21	Notwithstanding the provisions of this Chapter, Section 4.408.1 and Section
22	5.408.1 of the California Green Building Standards Code are hereby modified to read as
23	follows:
24	4.408.1 Construction waste management. Recycle and/or salvage for reuse a
25	minimum of 65 75 percent of the nonhazardous construction and demolition waste in
26	accordance with either Section 4.408.2, 4.408.3 or 4.408.4, or meet a more stringent
27	local construction and demolition waste management ordinance. The reuse of any
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1 construction materials for the project may be considered in determining compliance with the 75% waste reduction target. Third-party verification shall be required. 2

Exceptions:

1. Excavated soil and land-clearing debris.

2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist or are not located reasonably close to the jobsite.

3. The enforcing agency may make exceptions to the requirements of this section when isolated jobsites are located in areas beyond the haul boundaries of the diversion facility.

11 **5.408.1 Construction waste management.** Recycle and/or salvage for reuse a 12 minimum of 65 75 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent. The reuse of any construction materials for the project may be considered in determining compliance with the 75% waste reduction target. Third-party verification shall be required.

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§ 15.02.1145 DEFENSIBLE SPACE IN WILDLAND-URBAN INTERFACE (WUI) AREAS.

Notwithstanding the provisions of this Chapter, Section 701A.5.1 of the California Building Code and Section R337.1.5.1 of the California Residential Code are hereby added to read as follows:

701A.5.1 Vegetation management plan. For all projects located in an area designated as a High Fire Hazard Severity Zone, a plan shall be submitted to the Building Official that identifies all areas of the property for which vegetation management

<u>compliance is required by Chapter 7A of the California Building Code.</u> Compliance with
 <u>Chapter 7A must be completed prior to requesting a final inspection.</u>

<u>R337.1.5.1 Vegetation management plan.</u> For all projects located in an area
 designated as a High Fire Hazard Severity Zone, a plan shall be submitted to the
 <u>Building Official that identifies all areas of the property for which vegetation management</u>
 <u>compliance is required by Section R337 of the California Residential Code.</u> Compliance
 with Section R337 must be completed prior to requesting a final inspection.

§ 15.02.1150 FIRE-RESISTANT ROOF ASSEMBLIES IN WILDLAND-URBAN INTERFACE (WUI) AREAS.

Notwithstanding the provisions of this Chapter, Section 705A.1.1 of the California Building Code and Section R337.5.1.1 of the California Residential Code are hereby added to read as follows:

705A.1.1 Class-A fire resistant roof assemblies. Roof coverings for new

 buildings located in an area designated as a High Fire Hazard Severity Zone shall be

 listed as Class-A by a recognized listing agency. Wood shake and wood shingle roof

 coverings shall be prohibited in areas designated as a High Fire Hazard Severity Zone.

 R337.5.1.1 Class-A fire resistant roof assemblies. Roof coverings for new

 buildings located in an area designated as a High Fire Hazard Severity Zone shall be

 listed as Class-A by a recognized listing agency. Wood shake and wood shingle roof

 coverings shall be prohibited in areas designated as a High Fire Hazard Severity Zone shall be

 listed as Class-A by a recognized listing agency. Wood shake and wood shingle roof

 coverings shall be prohibited in areas designated as a High Fire Hazard Severity Zone shall be

§ 15.02.1155 (RESERVED)

§ 15.02.1160 SHOWER FACILITIES FOR BICYCLE PARKING.

When bicycle parking is required by other provisions in the Culver City MunicipalCode, shower facilities shall be required to be installed in a quantity and location as

established by guidelines promulgated by the Building Official and/or the Director. When
 installed, shower facilities shall comply with the provisions of Chapter 11A or 11B of the
 California Building Code.

§ 15.02.1165 *(RESERVED)* § 15.02.1170 *(RESERVED)* § 15.02.1175 *(RESERVED)*

A. No final inspection shall be approved for a project subject to the
requirements of this Subchapter, nor shall a temporary or final certificate of occupancy
be issued for such project, until such time as the requirements of this Subchapter have
been satisfied, as determined by final inspection of the Building Safety Division.

B. The Building Safety Division may issue field correction notices and/or stop work orders on a project for non-compliance with the requirements of this Subchapter.

C. The provisions of this Subchapter may be enforced through any or all available remedies provided in the CCMC.

SECTION 16: Nothing in this Ordinance shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or Ordinance hereby repealed as cited in Section 1 of this Ordinance; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this Ordinance.

SECTION 17: Pursuant to Section 619 of the City Charter, this Ordinance shall
take effect thirty (30) days after its adoption. Pursuant to Section 616 and 621 of the
City Charter, prior to the expiration of fifteen (15) days after the adoption, the City Clerk
shall cause this Ordinance, or a summary thereof, to be published in the Culver City

News and shall post this Ordinance or a summary thereof in at least three (3) places
 within the City.

[.] 4	SECTION 18: City Council hereby declares that, if any provision, section,
5	subsection, paragraph, sentence, phrase or word of this Ordinance is rendered or
6	declared invalid or unconstitutional by any final action in a court of competent
7	jurisdiction or by reason or any preemptive legislation, then the City Council would
8	have independently adopted the remaining provisions, sections, subsections,
9	paragraphs, sentences, phrases, or words of this Ordinance, and as such they shall
10	remain in full force and effect.
11	APPROVED and ADOPTED thisday of 2019.
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13	MEGHAN SAHLI-WELLS, MAYOR
14	City of Culver City, California
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16	ATTEST: APPROVED AS TO FORM:
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