

ORDINANCE NO. 2022-35

ADOPTION OF CALIFORNIA BUILDING STANDARDS CODES

The Contra Costa County Board of Supervisors ordains as follows (omitting the parenthetical footnotes from the official text of the enacted or amended provisions of the County Ordinance Code):

SECTION I. SUMMARY. This ordinance adopts the 2022 California Building Code, the 2022 California Residential Code, the 2022 California Energy Code, the 2022 California Green Building Standards Code, the 2022 California Electrical Code, the 2022 California Plumbing Code, the 2022 California Mechanical Code, and the 2022 California Existing Building Code, with changes, additions, and deletions that are necessary because of local climatic, geological, or topographical conditions. This ordinance is adopted pursuant to Health and Safety Code sections 17922, 17958, 17958.5, and 17958.7, and Government Code sections 50020 through 50022.10.

SECTION II. Section 74-2.002 (Adoption) of Division 74 (Building Code) of the County Ordinance Code is amended to read:

74-2.002 Adoption.

- (a) The building code of this county is the 2022 California Building Code (California Code of Regulations, Title 24, Part 2, Volumes 1 and 2), the 2022 California Residential Code (California Code of Regulations, Title 24, Part 2.5), the 2022 California Green Building Standards Code (California Code of Regulations, Title 24, Part 11), the 2022 California Existing Building Code (California Code of Regulations, Title 24, Part 10), and the 2022 California Energy Code (California Code of Regulations, Title 24, Part 6), as amended by the changes, additions, and deletions set forth in this division and Division 72.
- (b) The 2022 California Building Code, with the changes, additions, and deletions set forth in Chapter 74-4 and Division 72, is adopted by this reference as though fully set forth in this division.
- (c) The 2022 California Residential Code, with the changes, additions, and deletions set forth in Chapter 74-4 and Division 72, is adopted by this reference as though fully set forth in this division.
- (d) The 2022 California Green Building Standards Code, with the changes, additions, and deletions set forth in Chapter 74-4 and Division 72, is adopted by this reference as though fully set forth in this division.
- (e) The 2022 California Existing Building Code, with the changes, additions, and deletions set forth in Chapter 74-4 and Division 72, is adopted by this reference as though fully set forth in this division.

- (f) The 2022 California Energy Code, with the changes, additions, and deletions set forth in Chapter 74-4 and Division 72, is adopted by this reference as though fully set forth in this division.
- (g) At least one copy of this building code is now on file with the building inspection division, and the other requirements of Government Code section 50022.6 have been and shall be complied with.
- (h) As of the effective date of the ordinance from which this division is derived, the provisions of the building code are controlling and enforceable within the county. (Ords. 2022-35 § 2, 2022-02 § 2, 2019-31 § 2, 2016-22 § 2, 2013-24 § 2, 2011-03 § 2, 2007-54 §3, 2002-31 § 3, 99-17 § 5, 99-1, 90-100 § 5, 87-55 § 4, 80-14 § 5, 74-30.)

SECTION III. Chapter 74-4 (Modifications) of Division 74 (Building Code) of the County Ordinance Code is amended to read:

**Chapter 74-4
MODIFICATIONS**

74-4.002 Amendments to CBC. The 2022 California Building Code ("CBC") is amended by the changes, additions, and deletions set forth in this chapter and Division 72. Section numbers used below are those of the 2022 California Building Code.

- (a) CBC Chapter 1 (Scope and Administration) is amended by the provisions of Division 72 of this code and as follows:
 - (1) Sections 103 and 113 of CBC Chapter 1 are deleted.
 - (2) Section 105.2 (Work exempt from permit) of CBC Chapter 1, subsection 4 is amended to read:
 - 4. Retaining walls that are not more than 3 feet in height measured from the top of the footing to the top of the wall and that have a downward ground slope at the bottom of the retaining wall not exceeding 1(vertical):10(horizontal), unless supporting a surcharge or ground slope exceeding 1(vertical):2(horizontal) or impounding Class I, II, or III-a liquids.
 - (3) Section 107.2.1 (Information on construction documents) of CBC Chapter 1 is amended to read:

107.2.1 Information on Construction Documents. Construction documents shall include dimensions and shall be drawn to scale on suitable material. Electronic media documents may be submitted when approved in advance by the building official. Construction documents shall be of sufficient clarity to indicate the location, nature, and extent of

the work proposed and to show in detail that it will conform to this code and all relevant laws, ordinances, rules, and regulations. The first sheet of each set of plans shall include contact information for the owner and the person or persons who prepared the plans. Plans shall include a plot plan showing all existing property lines labeled and fully dimensioned, the elevations of the top and toe of cuts and fills, and the location of the proposed building with distances to all property lines and to every existing building on the property. Instead of detailed specifications, the county building official may approve references on the plans to a specific section or part of this code or other ordinances or laws.

- (4) Section 110.1 (Inspections - General) of CBC Chapter 1 is amended by adding the following to the end of that section:

At the time of first inspection by the county building official, a California licensed Land Surveyor or Civil Engineer shall certify in writing that the structure is placed according to the approved set of plans. The written certification must include the site address and permit number. This requirement does not apply to alterations or repairs to existing structures that do not affect the exterior limits of the existing structures.

- (b) Section 420.14 [HCD] (Electric vehicle (EV) charging for new construction) of CBC Chapter 4 (Special Detailed Requirements Based on Occupancy and Use) is amended to read:

420.14 Electric vehicle (EV) charging for new construction. Newly constructed Group R-1, R-2, and R-3 buildings shall be provided with infrastructure to facilitate future installation and use of electric vehicle (EV) chargers, and, where required, newly constructed Group R-2 buildings shall be provided with electric vehicle charging spaces equipped with fully-operational EV chargers, in accordance with the California Green Building Standards Code (CALGreen), Chapter 4, Division 4.1.

- (c) Section 907.2.11.2.5.1 is added to Section 907.2.11.2.5 (Existing Group R occupancies) of CBC Chapter 9 (Fire Protection Systems), to read:

907.2.11.2.5.1 Existing flat roof buildings. In existing flat roof buildings, the installation of a smoke detector that complies with California Residential Code Section R314.6 shall be required when a pitched roof is added on top of the existing flat roof and the solid sheathing of the flat roof is not removed.

- (d) Section 1405.2 is added to Section 1405 (Combustible materials on the exterior side of exterior walls) of CBC Chapter 14 (Exterior Walls), to read:

1405.2 Wood shakes or shingles. Wood shakes or shingles used for exterior wall covering shall be fire treated unless there is a minimum of 10 feet from the

exterior wall (including shakes or shingles) to the property line or the exterior wall faces a street.

- (e) In Section 1705.3 (Concrete construction) of CBC Chapter 17 (Special Inspections and Tests), Exception 1 is amended to read:
 - 1. Isolated spread concrete footings of buildings three stories or less above grade plane that are fully supported on earth or rock, where the structural design of the footing is based on a specified compressive strength of no greater than 2,500 pound per square inch (psi) (17.2 Mpa).
- (f) Section 1809.8 (Plain concrete footings) of CBC Chapter 18 (Soils and Foundations) is deleted.
- (g) Section 1810.3.9.3 (Placement of reinforcement) of CBC Chapter 18 (Soils and Foundations) is amended by deleting Exception 3.
- (h) Section 1905.1.7 (ACI 318, Section 14.1.4) of CBC Chapter 19 (Concrete) is amended to read:

1905.1.7 ACI 318, Section 14.1.4. Delete ACI 318, Section 14.1.4, and replace with the following:

14.1.4 - Plain concrete in structures assigned to Seismic Design Category C, D, E, or F.

14.1.4.1- Structures assigned to Seismic Design Category C, D, E, or F shall not have elements of structural plain concrete, except as follows:

- (a) Reserved.
- (b) Isolated footings of plain concrete supporting pedestals or columns are permitted, provided the projection of the footing beyond the face of the supported member does not exceed the footing thickness.
- (c) Plain concrete footings supporting walls are permitted, provided the footings have at least two continuous longitudinal reinforcing bars. Bars shall not be smaller than No. 4 and shall have a total area of not less than 0.002 times the gross cross-sectional area of the footing. A minimum of one bar shall be provided at the top and bottom of the footing. Continuity of reinforcement shall be provided at corners and intersections.

(i) Section 1906 (Footings for light-frame construction) of CBC Chapter 19 (Concrete) is deleted.

(j) Section 1907.1 (Minimum Slab Provisions - General) of CBC Chapter 19 (Concrete) is amended by adding the following sentence to that section:

Slabs shall have a minimum reinforcement of 6-inch by 6-inch by 10-gauge wire mesh or equal at mid-height.

(k) Appendix C and Appendix I of the CBC are incorporated into the County building code. Appendix A, Appendix B, Appendix D, Appendix E, Appendix F, Appendix G, Appendix H, Appendix J, Appendix K, Appendix L, and Appendix M of the CBC are excluded from the County building code. (Ords. 2022-35 § 3, 2019-31 § 3, 2016-22 § 3, 2013- 24 § 3, 2011-03 § 3, 2007-54 § 4, 2002-31 § 3, 99- 17 § 6, 99-1, 90-100 § 6, 87-55 § 5, 80-14 § 6, 74-30 § 1.)

74-4.004 Amendments to CRC. The 2022 California Residential Code ("CRC") is amended by the changes, additions, and deletions set forth in this chapter and Division 72. Section numbers used below are those of the 2022 California Residential Code.

(a) Sections R103 and R112 of CRC Chapter 1 (Scope and Application) are deleted.

(b) In Section R105.2 (Work exempt from permit) of CRC Chapter 1 (Scope and Application), subsection 3 is amended to read:

3. Retaining walls that are not more than 3 feet in height measured from the top of the footing to the top of the wall and that have a downward ground slope at the bottom of the retaining wall not exceeding 1(vertical):10(horizontal), unless supporting a surcharge or ground slope exceeding 1(vertical):2(horizontal) or impounding Class I, II, or III-a liquids.

(c) Section R314.8.1.1 is added to Section R314.8 (Existing Group R-3 occupancies) of CRC Chapter 3 (Building Planning), to read:

R314.8.1.1 Existing flat roof buildings. In existing flat roof buildings, the installation of a smoke detector that complies with Section R314.6 shall be required when a pitched roof is added on top of the existing flat roof and the solid sheathing of the flat roof is not removed.

(d) Section R602.10.3(3) (Bracing Requirements Based on Seismic Design Category) of CRC Chapter 6 (Wall Construction) is amended as follows:

(1) The title of Table R602.10.3(3) is amended to read:

TABLE R602.10.3(3)ⁱ

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(2) Footnote "i" is added to Table R602.10.3(3), to read:

- i. In Seismic Design Categories D0, D1, and D2, Method GB is not permitted and the use of Method PCP is limited to one-story dwellings and accessory structures.

(e) Section R602.10.4.5 is added to Section R602.10.4 (Construction methods for braced wall panels) of CRC Chapter 6 (Wall Construction), to read:

R602.10.4.5 Limits on methods GB and PCP. In Seismic Design Categories D0, D1, and D2, Method GB is not permitted, but gypsum board is permitted to be installed on the opposite side of the studs from other types of braced wall panel sheathing. In Seismic Design Categories D0, D1, and D2, the use of Method PCP is limited to one-story dwellings and accessory structures.

(f) Appendix AH and Appendix AX of the CRC is incorporated into the County building code. Appendix AA, Appendix AB, Appendix AC, Appendix AD, Appendix AE, Appendix AF, Appendix AG, Appendix AI, Appendix AJ, Appendix AK, Appendix AL, Appendix AM, Appendix AN, Appendix AO, Appendix AP, Appendix AQ, Appendix AR, Appendix AS, Appendix AT, Appendix AU, Appendix AV, Appendix AW, Appendix AY, and Appendix AZ of the CRC are excluded from the County building code. (Ords. 2022-35 § 3, 2019-31 § 3, 2016-22 § 3, 2013- 24 § 3, 2011-03 § 3.)

74-4.006 Amendments to CGBSC. The 2022 California Green Building Standards Code ("CGBSC") is amended by the changes, additions, and deletions set forth in this chapter and Division 72. Section numbers used below are those of the 2022 California Green Building Standards Code.

(a) Section 202 (Definitions) of CGBSC Chapter 2 (Definitions) is amended by replacing the definition of Electric Vehicle Charging Space (EV Space) with the following:

ELECTRIC VEHICLE CHARGING SPACE (EV SPACE). A space intended for current or future installation of EV charging equipment and charging of electric vehicles.

(b) Section 301.1.1 (Additions and alterations) of CGBSC Chapter 3 (Green Building) is amended to read:

Section 301.1.1 Additions and alterations. The mandatory provisions of Chapter 4 shall apply to additions or alterations of existing residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. The requirements shall apply only to and within the specific area of the addition or alteration.

The mandatory provisions of Section 4.106.4.2 may apply to additions or alterations of existing parking facilities or the addition of new parking facilities serving existing multifamily buildings. See Section 4.106.4.3 for application.

NOTE: Repairs including, but not limited to, resurfacing, restriping, and repairing or maintaining existing lighting fixtures are not considered alterations for the purpose of this section.

The mandatory provisions of Section 4.408 shall apply to the following types of construction or demolition projects for existing residential buildings:

1. Projects that increase the total combined conditioned and unconditioned building area by 5,000 square feet or more.
2. Alterations to existing structures impacting 5,000 square feet or more of total combined conditioned and unconditioned building area.
3. Demolition projects when a demolition permit is required.

Exception: Demolition projects undertaken because the enforcing agency has determined that the demolition is necessary to abate a public nuisance or otherwise protect public health and safety.

For the purposes of determining whether a project meets the 5,000 square-foot threshold, the enforcing agency may deem all phases of a project and all related projects taking place on a single or adjoining parcel(s) as a single project.

- (c) Section 301.3.2 (Waste diversion) of CGBSC Chapter 3 (Green Building) is amended to read:

Section 301.3.2 Waste diversion. The requirements of Section 5.408 shall apply to additions, alterations, and demolition whenever a permit is required for work.

Exception: Demolition projects undertaken because the enforcing agency has determined that the demolition is necessary to abate a public nuisance or otherwise protect public health and safety.

- (d) Section 4.106.4.2.1 (Multifamily development projects with less than 20 dwelling units; and hotels and motels with less than 20 sleeping units or guest rooms) of CGBSC Chapter 4 (Residential Mandatory Measures) is amended by adding the following Item 3 to the end of the section:

3. EV Chargers. Ten (10) percent of the total number of parking spaces shall be equipped with fully-operational Level 2 EVSE. Where common use parking is provided, at least one EV charger shall be located in the common use parking area

and shall be available for use by all residents or guests.

When low power Level 2 EV charging receptacles or Level 2 EVSE are installed beyond the minimum required, an automatic load management system (ALMS) may be used to reduce the maximum required electrical capacity to each space served by the ALMS. The electrical system and any on-site distribution transformers shall have sufficient capacity to deliver at least 3.3 kW simultaneously to each EV charging station (EVCS) served by the ALMS. The branch circuit shall have a minimum capacity of 40 amperes, and installed EVSE shall have a capacity of not less than 30 amperes. ALMS shall not be used to reduce the minimum required electrical capacity to the required EV capable spaces.

- (e) Section 4.106.4.2.1.1 is added to Section 4.106.4.2.1 (Multifamily development projects with less than 20 dwelling units; and hotels and motels with less than 20 sleeping units or guest rooms) of CGBSC Chapter 4 (Residential Mandatory Measures), to read:

Section 4.106.4.2.1.1 Electric vehicle charging stations (EVCS). Electric vehicle charging stations required by Section 4.106.4.2.1, Item 3, shall comply with Section 4.106.4.2.1.1.

Exception: Electric vehicle charging stations serving public accommodations, public housing, motels and hotels shall not be required to comply with this section. See California Building Code, Chapter 11B, for applicable requirements.

Section 4.106.4.2.1.1.1 Location. EVCS shall comply with at least one of the following options:

1. The charging space shall be located adjacent to an accessible parking space meeting the requirements of the California Building Code, Chapter 11A, to allow use of the EV charger from the accessible parking space.
2. The charging space shall be located on an accessible route, as defined in the California Building Code, Chapter 2, to the building.

Exception: Electric vehicle charging stations designed and constructed in compliance with the California Building Code, Chapter 11B, are not required to comply with Section 4.106.4.2.1.1.1 and Section 4.106.4.2.1.1.2, Item 3.

Section 4.106.4.2.1.1.2 Electric Vehicle Charging Stations (EVCS) Dimensions. The charging spaces shall be designed to comply with the following:

1. The minimum length of each EV space shall be 18 feet (5486 mm).
2. The minimum width of each EV space shall be 9 feet (2743 mm).
3. One in every 25 charging spaces, but not less than one, shall also have an 8-foot (2438 mm) wide minimum aisle. A 5-foot (1524 mm) wide minimum aisle shall be permitted provided the minimum width of the EV space is 12 feet (3658 mm).
 - a. Surface slope for this EV space and the aisle shall not exceed 1 unit vertical in 48 units horizontal (2.083 percent slope) in any direction.

Section 4.106.4.2.1.1.3 Accessible EV Spaces. In addition to the requirements in Sections 4.106.4.2.1.1.1 and 4.106.4.2.1.1.2, all EVSE, when installed, shall comply with the accessibility provisions for EV chargers in the California Building Code, Chapter 11B. EV ready spaces and EVCS in multifamily developments shall comply with California Building Code, Chapter 11A, Section 1109A.

- (f) Section 4.106.4.2.2 (Multifamily Development Projects With 20 or More Dwelling Units, Hotels and Motels With 20 or More Sleeping Units or Guest Rooms) of CGBSC Chapter 4 (Residential Mandatory Measures) is amended by revising Item 3, to read:

3. EV Chargers. Ten (10) percent of the total number of parking spaces shall be equipped with fully-operational Level 2 EVSE. Where common use parking is provided, at least one EV charger shall be located in the common use parking area and shall be available for use by all residents or guests.

When low power Level 2 EV charging receptacles or Level 2 EVSE are installed beyond the minimum required, an automatic load management system (ALMS) may be used to reduce the maximum required electrical capacity to each space served by the ALMS. The electrical system and any on-site distribution transformers shall have sufficient capacity to deliver at least 3.3 kW simultaneously to each EV charging station (EVCS) served by the ALMS. The branch circuit shall have a minimum capacity of 40 amperes, and installed EVSE shall have a capacity of not less than 30 amperes. ALMS shall not be used to reduce the minimum required electrical capacity to the required EV capable spaces.

- (g) Section 4.408.1 (Construction waste management) of CGBSC Chapter 4 (Residential Mandatory Measures) is amended to read:

Section 4.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 4.408.2.

Exceptions:

1. Excavated soil and land-clearing debris.
2. The enforcing agency may identify alternate waste reduction requirements if the agency determines that an owner or contractor has adequately demonstrated that diversion facilities necessary for the owner to comply with this section do not exist or are not located within a reasonable distance from the jobsite.

- (h) Section 4.408.2 (Construction waste management plan) of CGBSC Chapter 4 (Residential Mandatory Measures) is amended to read:

Section 4.408.2 Construction waste management plan. Submit a construction waste management plan for the project, signed by the owner, in conformance with Items 1 through 5 prior to issuance of building permit. The construction waste management plan shall be updated as necessary upon approval by the enforcing agency and shall be available during construction for examination by the enforcing agency. The plan must do all of the following:

1. Identify the construction and demolition waste materials to be diverted from disposal by recycling, reuse on the project, or salvage for future use or sale.
2. Specify if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identify diversion and disposal facilities where the construction and demolition waste material will be taken and identify the waste management companies, if any, that will be utilized to haul the construction and demolition waste material. A waste management company utilized to haul construction and demolition waste material must have all applicable County approvals.
4. Identify construction methods employed to reduce the amount of construction and demolition waste generated.
5. Specify that the amount of construction and demolition debris shall be calculated consistent with the enforcing agency's requirements

for the weighing of debris. The owner shall ensure that all construction and demolition debris diverted or disposed are measured and recorded by weight or volume using the most accurate method of measurement available. To the extent practicable, all construction and demolition debris shall be weighed using scales. Scales shall be in compliance with all regulatory requirements for accuracy and maintenance. For construction and demolition debris for which weighing is not possible due to lack of scales or not practical due to materials being reused on-site or elsewhere or other considerations, a volumetric measurement shall be used. The owner shall convert volumetric measurements to weight using the standardized conversion factors approved by the enforcing agency for this purpose.

- (i) Section 4.408.3 (Waste management company) of CGBSC Chapter 4 (Residential Mandatory Measures) is deleted.
- (j) Section 4.408.5 (Documentation) of CGBSC Chapter 4 (Residential Mandatory Measures) is amended to read:

Section 4.408.5 Documentation. A construction waste management final report containing information and supporting documentation that demonstrates compliance with Section 4.408.1, Section 4.408.2, Items 1 through 5, and, when applicable, Section 4.408.4 or Section 4.408.4.1, shall be provided to the enforcing agency before the final inspection. The required documentation shall include, but is not necessarily limited to, the following:

1. Documentation of the quantity by weight of each material type diverted or disposed, consistent with the requirements of Section 4.408.2, Item 5, and receipts or written certification from all receiving facilities utilized to divert or dispose waste generated by the project that substantiate the amounts specified on the construction waste management final report; or
2. For projects that satisfy the waste stream reduction alternative specified in Section 4.408.4 or Section 4.408.4.1, documentation of the quantity by weight of each material type disposed and the total combined weight of construction and demolition waste disposed in landfills as a result of the project, the corresponding pounds disposed per square foot of the building area, and receipts or written certification from all receiving facilities utilized to dispose waste generated by the project that substantiate the amounts specified on the construction waste management final report.

(k) Section 5.106.5.3.1 (EV capable spaces) of CGBSC Chapter 5 (Nonresidential Mandatory Measures) is amended to read:

Section 5.106.5.3.1 EV Capable Spaces. [N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements:

1. Raceways complying with the California Electrical Code and no less than 1-inch (25 mm) diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the EV capable space and into a suitable listed cabinet, box, enclosure or equivalent. A common raceway may be used to serve multiple EV capable spaces.
2. A service panel or subpanel(s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volt, 40-ampere minimum branch circuit for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.
3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space.
4. The service panel or subpanel circuit directory shall identify the reserved overcurrent protective device space(s) as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

Note: A parking space served by electric vehicle supply equipment or designed as a future EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by an enforcement agency. See Vehicle Code Section 22511.2 for further details.

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TABLE 5.106.5.3.1

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE) ²
1-9	0	0
10-25	4	3
26-50	8	5
51-75	13	8
76-100	17	10
101-150	25	15
151-200	35	20
201 and over	20 percent of total ¹	10 percent of total ¹

1. Calculation for spaces shall be rounded up to the nearest whole number
2. The number of required EVCS (EV capable spaces provided with EVSE) in column 3 count toward the total number of required EV capable spaces shown in column 2.

- (l) Section 5.106.5.3.2 (Electric vehicle charging stations (EVCS)) of CGBSC Chapter 5 (Nonresidential Mandatory Measures) is amended to read:

Section 5.106.5.3.2 Electric Vehicle Charging Stations (EVCS). EV capable spaces shall be provided with fully-operational EVSE to create EVCS in the number indicated in Table 5.106.5.3.1. The EVCS required by Table 5.106.5.3.1 may be provided with EVSE in any combination of Level 2 and Direct Current Fast Charging (DCFC), except that at least one Level 2 EVSE shall be provided.

One EV charger with multiple connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.3.1 for each EV capable space is accumulatively supplied to the EV charger.

The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

- (m) Section 5.408.1 (Construction waste management) of CGBSC Chapter 5 Nonresidential Mandatory Measures) is amended to read:

Section 5.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1.

Exceptions:

1. Excavated soil and land-clearing debris.

2. The enforcing agency may identify alternate waste reduction requirements if the agency determines that an owner or contractor has adequately demonstrated that diversion facilities necessary for the owner to comply with this section do not exist or are not located within a reasonable distance from the jobsite.

(n) Section 5.408.1.1 (Construction waste management plan) of CGBSC Chapter 5 Nonresidential Mandatory Measures) is amended to read:

Section 5.408.1.1 Construction waste management plan. Submit a construction waste management plan for the project, signed by the owner, in conformance with Items 1 through 5 prior to issuance of building permit. The construction waste management plan shall be updated as necessary upon approval by the enforcing agency and shall be available during construction for examination by the enforcing agency. The plan must do all of the following:

1. Identify the construction and demolition waste materials to be diverted from disposal by recycling, reuse on the project, or salvage for future use or sale.
2. Specify if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identify diversion and disposal facilities where the construction and demolition waste material will be taken and identify the waste management companies, if any, that will be utilized to haul the construction and demolition waste material. A waste management company utilized to haul construction and demolition waste material must have all applicable County approvals.
4. Identify construction methods employed to reduce the amount of construction and demolition waste generated.
5. Specify that the amount of construction and demolition debris shall be calculated consistent with the enforcing agency's requirements for the weighing of debris. The owner shall ensure that all construction and demolition debris diverted or disposed are measured and recorded by weight or volume using the most accurate method of measurement available. To the extent practicable, all construction and demolition debris shall be weighed using scales. Scales shall be in compliance with all regulatory requirements for accuracy and maintenance. For construction and demolition debris for which weighing is not possible due to lack of scales or not practical due to material being reused on-site or elsewhere or other considerations, a volumetric

measurement shall be used. The owner shall convert volumetric measurements to weight using the standardized conversion factors approved by the enforcing agency for this purpose.

- (o) Section 5.408.1.2 (Waste management company) of CGBSC Chapter 5 (Nonresidential Mandatory Measures) is deleted.
- (p) Section 5.408.1.4 (Documentation) of CGBSC Chapter 5 (Nonresidential Mandatory Measures) is amended to read:

Section 5.408.1.4 Documentation. A construction waste management final report containing information and supporting documentation that demonstrates compliance with Section 5.408.1, Section 5.408.1.1, Items 1 through 5, and, when applicable, Section 5.408.1.3, shall be provided to the enforcing agency before the final inspection. The required documentation shall include, but is not necessarily limited to, the following:

1. Documentation of the quantity by weight of each material type diverted or disposed, consistent with the requirements of Section 5.408.1.1, Item 5, and receipts or written certification from all receiving facilities utilized to divert or dispose waste generated by the project that substantiate the amounts specified on the construction waste management final report; or
3. For projects that satisfy the waste stream reduction alternative specified in Section 5.408.1.3, documentation of the quantity by weight of each new construction material type disposed and the total combined weight of new construction waste disposed as a result of the project, the corresponding pounds of new construction disposal per square foot of the building area, and receipts or written certification from all receiving facilities utilized to dispose

waste generated by the project that substantiate the amounts specified on the construction waste management final report.

(Ords. 2022-35 § 3, 2019-31 § 3, 2016-22 § 3, 2015-22 § 2.)

74-4.008 Amendments to CEBC. The 2022 California Existing Building Code ("CEBC") is amended by the changes, additions, and deletions set forth in this chapter and Division 72. Section numbers used below are those of the 2022 California Existing Building Code

- (a) CEBC Chapter 1 (Scope and Administration) is amended by the provisions of Division 72 of this code and as follows:
 - (1) Sections 103 and 112 of CEBC Chapter 1 are deleted.

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- (2) Section 106.1 (Construction Documents - General) of CEBC Chapter 1 is amended by deleting the exception.
- (3) Section 106.2.1 (Construction documents) of CEBC Chapter 1 is amended to read:

106.2.1 Construction documents. Construction documents shall include dimensions and shall be drawn to scale on suitable material. Electronic media documents may be submitted when approved in advance by the building official. Construction documents shall be of sufficient clarity to indicate the location, nature, and extent of the work proposed and to show in detail that it will conform to this code and all relevant laws, ordinances, rules, and regulations. The first sheet of each set of plans shall include contact information for the owner and the person or persons who prepared the plans. Plans shall include a plot plan showing all existing property lines labeled and fully dimensioned, the elevations of the top and toe of cuts and fills, and the location of the proposed building with distances to all property lines and to every existing building on the property. Instead of detailed specifications, the county building official may approve references on the plans to a specific section or part of this code or other ordinances or laws.

(Ords. 2022-35 § 3, 2019-31 § 3, 2016-22 § 3.)

74-4.010 Amendments to CEnC. The 2022 California Energy Code ("CEnC") is amended by the changes, additions, and deletions set forth in this chapter and Division 72. Section numbers used below are those of the 2022 California Energy Code.

- (a) Section 100.0(e)(2)(A) of CEnC Subchapter 1 (All Occupancies - General Provisions) is amended to read:

A. All newly constructed buildings.

- i. Sections 110.0 through 110.12 apply to all newly constructed buildings within the scope of Section 100.0(a). In addition, newly constructed buildings shall meet the requirements of Subsection B, C, D, or E, as applicable.
- ii. A newly constructed building that is any of the following building types shall be an all-electric building:
 - a. Residential.
 - b. Detached accessory dwelling unit.

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- c. Hotel.
- d. Office.
- e. Retail.

Exception to Section 100.0(e)(2)(A)(ii): Development projects that have obtained vested rights before June 1, 2022, pursuant to a development agreement in accordance with Government Code section 65866, a vesting tentative map in accordance with Government Code section 66998.1, or other applicable law, are exempt from the requirements of Section 100.0(e)(2)(A)(ii).

- (b) Section 100.1(b) (Definitions) of CEnC Subchapter 1 (All Occupancies - General Provisions) is amended by adding the following definition:

ALL-ELECTRIC BUILDING means a building that has no natural gas or propane plumbing installed within the building, and that uses electricity as the sole source of energy for its space heating (including heating of all indoor and outdoor spaces of the building), water heating (including heating of indoor and outdoor pools and spas), cooking appliances, and clothes drying appliances. An all-electric building may utilize solar thermal pool heating.

(Ords. 2022-35 § 3, 2022-02 § 3.)

SECTION IV. Section 76-2.002 (Adoption) of Division 76 (Electrical Code) of the County Ordinance Code is amended to read:

76-2.002 Adoption.

- (a) The electrical code of this county is the 2022 California Electrical Code (California Code of Regulations, Title 24, Part 3) (“CEC”), as amended by the changes, additions, and deletions set forth in this division and Division 72.
- (b) The 2022 California Electrical Code, with the changes, additions, and deletions set forth in Chapter 76-4 and Division 72, is adopted by this reference as though fully set forth in this division.
- (c) At least one copy of this electrical code is now on file with the building inspection division, and the other requirements of Government Code section 50022.6 have been and shall be complied with.
- (d) As of the effective date of the ordinance from which this division is derived, the provisions of the electrical code are controlling and enforceable within the county.
(Ords. 2022-35 § 4, 2019-31 § 4, 2016-22 § 4, 2013-24 § 4, 2011-03 § 4, 2007-54 § 5,

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2002-31 § 4, 99-17 § 11, 89-60 § 2, 82-23 § 2, 79-67, 76-24.)

SECTION V. Section 78-2.002 (Adoption) of Division 78 (Plumbing Code) of the County Ordinance Code is amended to read:

78-2.002 Adoption.

- (a) The plumbing code of this county is the 2022 California Plumbing Code (California Code of Regulations, Title 24, Part 5), as amended by the changes, additions, and deletions set forth in Division 72.
- (b) The 2022 California Plumbing Code, with the changes, additions, and deletions set forth in Division 72, is adopted by this reference as though fully set forth in this division.
- (c) At least one copy of this plumbing code is now on file with the building inspection division, and the other requirements of Government Code section 50022.6 have been and shall be complied with.
- (d) As of the effective date of the ordinance from which this division is derived, the provisions of the plumbing code are controlling and enforceable within the county. (Ords. 2022-35 § 5, 2019-31 § 5, 2016-22 § 6, 2013-24 § 5, 2011-03 § 5, 2007-54 § 6, 2002-31 § 5, 99-17 § 12, 74-29.)

SECTION VI. Section 710-2.002 (Adoption) of Division 710 (Mechanical Code) of the County Ordinance Code is amended to read:

710-2.002 Adoption.

- (a) The mechanical code of this county is the 2022 California Mechanical Code (California Code of Regulations, Title 24, Part 4), as amended by the changes, additions, and deletions set forth in Division 72.
- (b) The 2022 California Mechanical Code, with the changes, additions, and deletions set forth in Division 72, is adopted by this reference as though fully set forth in this division.
- (c) At least one copy of this mechanical code is now on file with the building inspection division, and the other requirements of Government Code section 50022.6 have been and shall be complied with.
- (d) As of the effective date of the ordinance from which this division is derived, the provisions of the mechanical code are controlling and enforceable within the county. (Ords. 2022-35 § 6, 2019-31 § 6, 2016-22 § 7, 2013-24 § 6, 2011-03 § 6, 2007-54 § 7, 2002-31 § 6, 99-17 § 13, 88-91 § 5, 74-31.)

SECTION VII. Section 72-6.212 of the County Ordinance Code is amended to read:

72-6.212 Expiration of permit.

- (a) A permit issued by the county building official becomes void if either of the following occur:
 - (1) The work authorized by the permit is not commenced within 12 months after the permit issuance date. Evidence that work has commenced consists of at least one approved inspection.
 - (2) The work authorized by the permit is suspended or abandoned for a period of 12 consecutive months after the work is commenced. Work is deemed suspended or abandoned for a period of 12 consecutive months if no approved inspection occurs during that time.
- (b) A permittee holding an unexpired permit may apply to the county building official for a permit extension. Upon written request by the permittee demonstrating justifiable cause for the delay, the county building official may extend the time of the permit for a period not exceeding 180 days. A permit may not be extended more than once.
- (c) Once a permit becomes void, a new permit must be obtained before any work is commenced or recommenced, and a new permit fee must be paid. (Ords. 2022-35 § 7, 2019-31 § 7, 2007-54 § 2, 2002-31 § 2, 99-1 § 5, 87-55 § 3, 80-14 § 3, 74-32 § 2, 71-32 § 1, 67-70 § 3: prior code § 7106: Ord. 1372 § 5H).

SECTION VIII. Chapter 718-4 (Swimming Pools) of the County Ordinance Code is deleted in its entirety.

SECTION IX. Chapter 718-6 (Residential Sprinkler System Option) of the County Ordinance Code is deleted in its entirety.

SECTION X. VALIDITY. The Contra Costa County Board of Supervisors declares that if any section, paragraph, sentence, or word of this ordinance or of the 2022 California Building Code, Residential Code, Green Building Code, Plumbing Code, Electrical Code, Mechanical code, Existing Building Code, or Energy Code as adopted and amended herein is declared for any reason to be invalid, it is the intent of the Contra Costa County Board of Supervisors that it would have passed all other portions or provisions of this ordinance independent of the elimination herefrom any portion or provision as may be declared invalid.

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SECTION XI. EFFECTIVE DATE. This ordinance becomes effective on January 1, 2023 or 30 days after passage, whichever is later. Within 15 days of passage, this ordinance shall be published once in the East Bay Times, a newspaper published in this County. This ordinance shall be published in a manner satisfying the requirements of Government Code section 25124, with the names of supervisors voting for and against it.

PASSED on _____, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST: MONICA NINO,
Clerk of the Board of Supervisors
and County Administrator

Board Chair

By: _____
Deputy

[SEAL]