

Ordinance No.

An Ordinance of the Board of Supervisors, County of Sonoma, State of California, Amending Chapter 13 and Adopting by Reference with Local Amendments, Selected Provisions, Chapters and Appendices of Title 24 of the California Code of Regulations, 2022 Edition of The California Fire Code, to Amend Portions of the Fire Safe Standards, to Make Miscellaneous Other Changes to Said Chapter and Adopting Local Findings.

The Board of Supervisors of the County of Sonoma ordains as follows:

SECTION I. Chapter 13, Articles II and IV, Fire Safety Ordinance, of the Sonoma County Code is hereby amended as follows:

Article II - Definitions

(a) Section 13-6, Definitions, the following definitions are amended as follows:

“California Fire Code” means the regulations in California Code of Regulations, Title 24, Part 9, 2022 California Fire Code, which incorporate by adoption of the 2021 Edition of the International Fire Code of the International Code Council with necessary California amendments.

“Commercial building” means any building containing an occupancy other than a Group R-3 occupancy, a one-or two-family dwelling, or Group U Occupancy, as defined in the county building code.

“County building code” means the building regulations in Chapter 7 of this code.

“Non-urban parcel” means any parcel served by a water system other than a public water system.

“Public water system” has the same meaning as the term is defined in Cal. Health & Safety Code Section 116275

“Residential building” means any one-or two-family dwelling containing a Group R-3 occupancy, or Group U occupancy accessory to a Group R-3 occupancy as defined in the county building code and the California Residential Codes.

“Same practical effect” means an exception or alternative with the capability of applying accepted fire suppression strategies and tactics, and provisions for firefighter safety, including:

1. Access for emergency fire equipment;
2. Safe civilian evacuation;
3. Signing that avoids delays in emergency equipment response;
4. Available and accessible water to effectively attack a fire or defend a structure from a wildfire; and
5. Fuel modification sufficient for civilian and firefighter safety.

“Urban parcel” means any parcel served by a public water system.

(b) Section 13-6, Definitions, the following definitions are deleted:

“Fire Safe Standards” means California Code of Regulations, Title 14 Natural Resources Code, Division 1.5, Chapter 7, Subchapter 2, Article 1-5, SRA Fire Safe Regulations. These regulations shall be known as the “SRA Fire Safe Regulations,” and shall constitute the basic wildland fire protection standards of the California Board of Forestry and Fire Protection as amended and certified by the California Board of Forestry and Fire Protection.

Article IV. – County Fire Code.

(c) Sec. 13-15, County Fire Code designated – Administration and enforcement – Amendment by Local Fire Protection Districts, subdivision (a) is amended as follows:

- (a) The 2022 California Fire Code as adopted by reference and amended in this article, shall constitute the County Fire Code.

(d) Sec. 13-17, California Fire Code adopted – Local Amendments, is amended as follows:

Sec. 13-17. County Fire Code Adopted – Local Amendments.

- (a) The portion of the California Building Standards Code that imposes substantially the same requirements as are contained in the California Fire Code, 2022 Edition published by the International Code Council and the California Building Standards Commission with Errata, including Appendices, 4, B, BB, C, CC, D, E, F, G, H, N and O; published by the International Code Council, save and except such portions as are hereinafter deleted modified, or amended by subsection (b) of this section, are adopted and incorporated as fully as if set out at length herein for the purpose of prescribing regulations governing conditions hazardous to life and property from fire, hazardous materials or explosions within the unincorporated area of the county.

- (b) The California Fire Code, 2022 Edition, is hereby amended as follows:

**CHAPTER 1
SCOPE AND ADMINISTRATION**

(1) California Fire Code, Division II, Section 101.1 is amended to read:

101.1 Title. These regulations shall be known as the Sonoma County Fire Code, hereinafter referred to as “this Code.”

(2) California Fire Code, Division II, Section 101.6 is added to read:

101.6 Policy Manual. The Sonoma County Fire Prevention Policy Manual shall serve as a supplemental instruction and interpretation manual for this code and is hereby adopted by reference. The fire code official is responsible to amend this manual as necessary to maintain current instruction and interpretations. The information contained in the policy manual shall not be construed to make new code requirements not authorized by this ordinance.

(3) California Fire Code, Division II, Section 102.4, is amended to read:

102.4 Application of Building Code. The design and construction of new structures shall comply with the 2022 California Building Code, Volumes 1 and 2, the 2022 California Historical Building Code, the 2022 California Existing Building Code and the 2022 California Residential Code, as adopted and amended by the County of Sonoma, and any alterations, additions, changes in use or changes in structures required by this Code, which are within the scope of the aforementioned codes, shall be made in accordance therewith.

(4) California Fire Code, Division II, Section 103.1, is amended to read:

103.1 Creation of Agency. The Division of Fire Prevention within the Fire Prevention and Hazardous Materials Division is hereby created and the official in charge thereof shall be known as the fire code official. The function of the division shall be the implementation, administration and enforcement of the provisions of this Code.

(5) California Fire Code, Division II, Section 105.4.1 is added to read:

105.4.1 Revocation Procedure. Revocation of any permit issued under this Code shall only occur after written notice of the violation has been given by the Fire Warden / Fire Marshal to the permittee at his or her last place of residence as shown on the permit or certificate, which notice shall order the permittee to either correct the violation within ten (10) days or appear before the local Fire Chief, unless the local fire protection district issues a written notice electing to have the County Fire Warden / Fire Marshal hear the matter, at a date and time certain to show cause why the permit or certificate should not be modified, revoked or suspended. At the hearing before the Fire Warden / Fire Marshal, the permittee shall have an opportunity to appear and be heard on the question of whether the permit issued to him should be

revoked or suspended. Upon conclusion of the hearing or as soon thereafter as practicable, the chief shall issue a decision in writing to the permittee determining whether to modify, revoke or suspend the permit. Any interested person may appeal the Fire Warden / Fire Marshal's decision to the Board of Appeals. All appeals shall be filed in writing with the Fire Warden / Fire Marshal within ten (10) calendar days of the date of the decision being appealed.

(6) California Fire Code, Division II, Section 105.5.54 is amended to read:

105.5.54 Additional Permits. In addition to the permits required by Section 105.6, the following permits shall be obtained from the division of fire prevention prior to engaging in the following activities, operations, practices or functions:

1. Production facilities. To change use or occupancy, to allow the attendance of a live audience, or for wrap parties.
2. Pyrotechnics and special effects. To use pyrotechnic special effects, open flame, use of flammable or combustible liquids and gasses, welding and the parking of motor vehicles for the purpose of motion picture, television and commercial production.
3. Live audiences. To install seating arrangements for live audiences in approved production facilities, production studios and sound stages. See Chapter 48.
4. Apartment, hotel, motel, vacation rental. An operational permit is required to operate an apartment house, hotel, motel, or vacation rental.
5. Bonfires or rubbish fires. An operational permit is required to kindle or authorize the kindling or maintenance of bonfires or rubbish fires.
6. Emergency responder radio coverage system. An operational permit is required for buildings and/or facilities with emergency responder radio coverage systems and related equipment.
7. High-rise building. An operational permit is required to operate a high-rise building as defined in the Building Code.
8. Cannabis. An operational permit is required to operate a medical cannabis facility or Cannabis operation listed below when allowed by state law and Local Zoning Ordinance:
 - a. Cultivation
 - b. Distribution
 - c. Manufacturing

9. Organized camps. An operational permit is required to operate an organized camp (Group C occupancy).
10. Special Event Permit. A permit is required for any organized processing or assemblage of 50 or more people, which could significantly impact vehicular traffic or create a safety problem. Examples include, but are not limited to: music festivals, elevated stages, outdoor markets, circus, walkathons, runs, marathons, trail rides, bicycle races, celebrations, parades and similar activities.
11. Winery caves – publicly accessible. An operational permit is required to operate a Type-2 or Type-3 winery cave that is accessible to the public.
12. Certified Unified Program Agency Permit. An operational permit is required to operate any facility described in Chapter 29 and shall be required by the local fire chief from the County of Sonoma CUPA Division.

(7) California Fire Code, Division II, Section 105.6.25 is added to read:

105.6.25 Additional Construction Permits. In addition to the permits required by Section 105.6, the following construction permits shall be obtained from the division of Fire Prevention prior to starting construction:

1. Fire apparatus access roads. A construction permit is required for installation or modification of roadways and roadway structures used for fire apparatus access roads.
2. Excavation near flammable or combustible liquid pipeline. A construction permit is required to excavate or do any work below grade within ten (10) feet of any pipeline for the transportation of flammable or combustible liquid.
3. Gates. A construction permit is required for the installation of security gates across a fire apparatus access road.

(8) California Fire Code, Section 107.6, is added to read:

107.6 Cost Recovery. Fire suppression, investigation or emergency medical costs are recoverable in accordance with Health and Safety Code Sections 13009 and 13009.1, as may be amended from time to time. Additionally, any person(s) who negligently, intentionally or in violation of law causes an emergency response, including, but not limited to, a traffic accident, spill of toxic or flammable or

combustible fluids or chemicals is liable for costs of securing such emergency, including those costs pursuant to Government Code Section 53150 et seq, as may be amended from time to time. Any expense incurred by Sonoma County Fire, any Local Fire District and Volunteer Fire Company for securing such emergency shall constitute a debt of such person(s) and shall be collectable by the Department in the same manner as in the case of an obligation under contract, expressed or implied.

(9) California Fire Code, Division II, Section 112.4, is amended to read:

112.4 Violation Penalties. Persons who shall violate a provision of this Code or shall fail to comply with any requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the Fire Code official, or of a permit or certificate used under provisions of this Code, shall be guilty of a misdemeanor, punishable by a fine of not more than one thousand dollars (\$1,000.00) or by imprisonment not exceeding six months, or both such fine and imprisonment, or administratively of not less than one thousand dollars (\$1,000.00). Each day that a violation continues after due notice has been served shall be the case of an obligation under contract, expressed or implied.

(10) California Fire Code, Division II, Section 113.4 is amended to read:

112.5 Authority to Issue Citations. The Chief and members of the Fire Prevention Bureau who have discretionary duty to enforce a statute or ordinance may, pursuant to Section 836.5 of the California Penal Code and subject to the provisions thereof, arrest a person without a warrant whenever the Chief or member of the Fire Prevention Bureau has reasonable cause to believe that the person to be arrested has committed a violation in the presence of the Chief or member of the Fire Prevention Bureau which he or she has discretionary duty to enforce, and to issue a notice to appear and to release such person on his or her written promise to appear in court, pursuant to the provisions of Section 853.5 et seq. of the California Penal Code.

(11) California Fire Code, Division II, Section 113.4 is amended to read:

113.4 Failure to Comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to a fine of not less than \$100.00 dollars and not more than \$500.00 dollars. A person shall be fined for each day he or she continues to work after having been served with a stop work order.

**CHAPTER 2
DEFINITIONS**

(12) California Fire Code, Section 202, is amended to add the following definitions:

UNWARRANTED ALARM. The giving, signaling or transmission of an alarm or notification to a public fire department or emergency communication center when such alarm is the result of a defective condition of an alarm system, system servicing testing, construction activities, ordinary household activities, false alarm or other cause when no such dangerous fire condition exists

CHAPTER 3 GENERAL REQUIREMENTS

(13) California Fire Code Section 307.2 is amended to read:

307.2 Permit Required. Prior to commencement of open burning, a burning permit shall be obtained pursuant to section 13-71 of the Sonoma County Code.

(14) California Fire Code Section 311.3.1 is added to read:

311.3.1 Removal of Debris After Fire. All rubble, waste, rubbish, and other materials lying upon any premises within the jurisdictional area; having been accumulated thereon by reason of a fire, and having been rendered useless thereby shall be removed from within ten (10) days after notice has been given to do so in writing by the Fire Chief to the owner, lessee, or other person in charge or control of the premises.

CHAPTER 4 EMERGENCY PLANNING AND PREPAREDNESS

(15) California Fire Code, Section 401.3.2.1 is added to read as follows:

401.3.2.1 Unwarranted or Nuisance Alarm Notification. Notification of emergency responders based on an unwarranted or nuisance alarm may be punishable by a fine in accordance with the adopted fee schedule or requirements. In addition, the responsible party may be liable for the operational and administrative costs, incurred from the emergency response or mitigation procedures resulting from an unwarranted or nuisance alarm notification.

(16) California Fire Code, Section 401.3.2.2 is added to read as follows:

401.3.2.2 Multiple Nuisance or Unwarranted Alarm Activations. Any occupancy that has more than three nuisance alarms, causing emergency response within a 12-month period may be required to modify, repair, upgrade or replace their system and/or monitoring station as determined by the fire code official.

(17) California Fire Code, Section 402.1 is amended to add the following:

NUISANCE ALARM AND UNWARRANTED ALARM

(18) California Fire Code Section 403.1 is amended to read as follows:

403.1 General. In addition to the requirements of Section 401, occupancies, uses and outdoor locations shall comply with the emergency preparedness requirements set forth in Section 403.2 403.4, 403.9.2.1.1, 403.10.6 through 403.12.3. Where fire safety and evacuation plans are required by Section 403.2 through 403.10.6, evacuation drills shall be in accordance with Section 405 and employee training shall be in accordance with Section 406.

(19) California Fire Code Sections 403.3 is deleted.

(20) California Fire Code Section 403.5 through 403.9.2.1 are deleted.

(21) California Fire Code Sections 403.9.2.1.2 through 403.10.5 are deleted.

CHAPTER 5

FIRE SERVICE FEATURES

(22) California Fire Code Section 503.1 is amended to read:

503.1 Where Required. Fire apparatus access roads shall comply with the Sonoma County Fire Safe Standards when applicable, and otherwise shall be provided and maintained in accordance with Sections 503.1.1 through 503.1.3.

(23) California Fire Code Section 503.2 is amended to read:

503.2 Specifications. Fire apparatus access roads shall be installed per the Sonoma County Fire Safe Standards when applicable, and otherwise shall be installed or arranged in accordance with Sections 503.2.1 through 503.2.8.

(24) California Fire Code, Section 503.2.6.1 is added to read:

503.2.6.1 Evaluation and Maintenance. All existing private bridges and elevated surfaces that are a part of the fire department access roadway shall be evaluated by a California licensed civil engineer experienced in structural engineering or a California licensed structural engineer, for safety and weight rating, in accordance with American Association of State Highway and Transportation Officials (AASHTO) Manual: "The Manual for Bridge Evaluation," Second Edition, or other approved standard. Vehicle load limits shall be posted at both entrances to bridges. All bridges and elevated structures providing fire department access shall be routinely maintained in accordance with Section 503.2.6 or when directed by the fire code official or authorized designee.

(25) California Fire Code Section 503.3 is amended to read:

503.3 Marking. Where required by the fire code official, approved signs or other approved notices or markings that include the words NO PARKING – FIRE LANE in accordance with the California Vehicle Code, shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. The means by which fire lanes are designated shall be maintained in a clean and legible condition at all times and be replaced or repaired when necessary to provide adequate visibility.

(26) California Fire Code Section 503.6.1 is added to read:

503.6.1 Width. All gate entrances and similar structures shall be at least two feet (2') wider than the width of the traffic lane(s) serving the gate or structure.

(27) California Fire Code Section 503.6.2 is added to read:

503.6.2 Setbacks. All gates providing access from a public road to a private road or private driveway shall be located at least thirty feet (30') from the roadway and shall open to allow a vehicle to stop without obstructing traffic on the roadway.

(28) California Fire Code Section 505.1 is amended to read:

505.1 Address Identification. New and existing buildings shall be provided with approved illuminated or other approved means of address identification. The address identification shall be legible and placed in apposition that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numerals or alphabetic letters. Numbers shall not be spelled out. Character size and stroke shall be in accordance with Section 505.1.1 through 505.1.2. Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole, or other sign or means shall be used to identify the structure. Address identification shall be maintained.

(29) California Fire Code Section 505.1.1 is added to read:

505.1.1 Numbers For One- and Two- Family Dwellings. Each address identification character shall be not less than four (4) inches high with a minimum stroke width of one-half (0.5) inch.

(30) California Fire Code Section 505.1.2 is added to read:

505.1.2 Numbers For Other Than One and Two-Family Dwellings. Each address identification character shall be not less than twelve (12) inches high with a minimum stroke width of one (1) inch. Suite and unit directional numbers shall be not less than six (6) inches high with a minimum stroke width of three-quarter (0.75) inch. Numbers shall be not less than four (4) inches high with a minimum stroke width of one-half (0.5) inch.

(31) California Fire Code Section 505.1.3 is added to read:

505.1.3 Complex Directory. Where two or more buildings cannot be viewed from the public way or when determined by the fire code official, an approved illuminated complex directory, monument, pole, or other approved sign or means shall be used to identify the structures at the main entrances to the property.

(32) California Fire Code Section 505.1.4 is added to read:

505.1.4 Installation, Location and Visibility of Addresses. All buildings shall have a permanently posted address, which shall be placed at each driveway entrance and visible from both directions of travel along the road. In all cases, the address shall be posted at the beginning of construction and shall be maintained thereafter, and the address shall be visible and legible from the road on which the address is located.

(33) California Fire Code Section 505.1.4.1 is added to read:

505.1.4.1 Signs Posted One-Way Roads. Address signs along one-way roads shall be visible from both the intended direction of travel and the opposite direction.

(34) California Fire Code Section 505.1.4.2 is added to read:

505.1.4.2 Multiple Addresses. Where multiple addresses are required at a single driveway, they shall be mounted on a single post.

Where a roadway provides access solely to a single commercial or industrial business, the address sign shall be placed at the nearest road intersection providing access to that site.

(35) California Fire Code Section 505.2.1 is added to read:

505.2.1 Size of Letters, Numbers and Symbols or Street and Road signs. Size of letters, numbers, and symbols for street and road signs shall be a minimum of three inches (3") for letter height with a three-eighths inch (3/8") stroke, reflectorized, and contrasting with the background color of the sign.

(36) California Fire Code Section 505.2.2 is added to read:

505.2.2 Visibility and Legibility of Street and Road Signs. Street and road signs shall be visible and legible from both directions of vehicle travel for a distance of at least one hundred feet (100’).

(37) California Fire Code Section 505.2.3 is added to read:

505.2.3 Height of Street and Road Signs. Height of street and road signs shall be uniform countywide, and meet the visibility and legibility standards of this section.

(38) California Fire Code Section 505.2.4 is added to read:

505.2.4 Names and Numbers on Street and Road Signs. Newly constructed or approved public and private roads and streets must be identified by a name or number through a consistent countywide system that provides for sequenced or patterned numbering and/or non-duplicating naming within the county. All signs shall be mounted and oriented in a uniform manner. This section does not require any entity to rename or renumber existing roads or streets, nor shall a roadway providing access only to a single commercial or industrial occupancy require naming or numbering.

(39) California Fire Code Section 505.2.5 is added to read:

505.2.5 Intersecting Roads, Streets and Private Lanes. Signs required by this article identifying intersecting roads, streets and private lanes shall be placed at the intersection of those roads, streets and/or private lanes.

(40) California Fire Code Section 505.2.6 is added to read:

505.2.6 Signs Identifying Traffic Access Limitations. A sign identifying traffic access or flow limitations, including, but not limited to weight or vertical clearance limitations, dead-end road, one-way road (or single land conditions) shall be placed: (a) at the intersection preceding the traffic access limitation, and (b) no more than one hundred feet (100’) before such traffic access limitation.

(41) California Fire Code Section 507.2.2 is amended to read:

507.2.2 Water Tanks. Water tanks for private fire protection shall be installed in accordance with NFPA 22.

Exception: For Group R-3 occupancies, equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3, and associated accessory structures up to 3,000 square feet in area, plastic water tanks up to 5,000 gallons in volume may be used. A flammable

vegetation clearance of not less than twenty feet (20') shall be maintained around all poly-plastic or similar water tanks.

(42) California Fire Code Section 507.2.3 is added to read:

507.2.3 Urban Water System. For one- and two-family dwellings, and accessory structures associated with one- and two-family dwellings. If the water supply to the parcel is provided by a public or community water system (urban parcel - see Definitions) the emergency water supply for residential buildings shall consist of a permanent hydrant located on the road within two hundred fifty feet (250') of the driveway measured from where the driveway intersects with the public or private road. Distance measurements shall be determined by hose lay along the road, not horizontal distance.

(43) California Fire Code Section 507.2.4 is added to read:

507.2.4 Non-Urban Water System. If the water supply to the parcel is provided by a private water well (non-urban parcel - see Definitions) the fire code official is authorized to utilize NFPA 1142 or the International Wildland-Urban Interface Code.

Exception: When authorized by the authority having jurisdiction, the emergency water supply requirements for one- and two-family dwellings, and accessory structures associated with one- and two-family dwellings, may be waived when sufficient evidence is proven that the Emergency Water Standards of Title 14 of the Natural Resources Code, Division 1.5, Article 4 have been met.

(44) California Fire Code Section 507.5.1.2 is added to read:

507.5.1.2 Other Areas. Fire hydrant systems shall be required where a public water system, regardless of type of ownership, provides water for human consumption to fifteen (15) or more service connections.

(45) California Fire Code Section 507.5.7 is added to read:

507.5.7 Fire Hydrant Size and Outlets. New commercial and industrial development shall have a minimum of two 4.5 inch connections and one 2.5 inch connection per Appendix D 104 unless otherwise approved by the fire code official.

**CHAPTER 9
FIRE PROTECTION AND LIFE SAFETY SYSTEMS**

(46) California Fire Code Sections 901.7.7 - 901.7.7.2 are added to read:

901.7.7 Notice of Nuisance or Unwarranted Alarm. The officer in charge of fire units responding to a fire alarm signal shall determine whether a true emergency exists. If the officer determines that an emergency does not exist, the chief of the local fire agency or the County Fire Warden / Fire Marshal may issue a written notice of nuisance alarm or unwarranted alarm to the owner or person in charge or control of the facility where the alarm signal originated.

901.7.7.1 Unreliable or Unwarranted Fire Alarm Systems. The Fire Chief of the local fire agency or the County Fire Warden / Fire Marshal may determine that a fire alarm system is unreliable or unwarranted upon receipt of more than four (4) alarms within a twelve (12) month period. Upon finding that an alarm system is unreliable or unwarranted, the chief of the local fire agency or the County Fire Warden / Fire Marshal may order the following:

1. For any nuisance alarm where the system is not restored, the Fire Chief may require the system owner to provide standby personnel as defined in Chapter 4, Section 403.1 or take such other measures, as the Fire Chief deems appropriate. Persons or activities required by the Fire Chief shall remain in place until a fire department-approved fire alarm maintenance firm certifies in writing to the Fire Chief that the alarm system has been restored to a reliable condition. The chief may require such tests, as he deems necessary to demonstrate the adequacy of the system.
2. Upon the fifth (5th) and sixth (6th) alarms from the alarm system within a twelve (12) month period, the system owner shall pay a mitigation fee to the fire department of \$150.00, plus the cost of fire engine response, for each occurrence.
3. Upon the seventh (7th) and eighth (8th) alarms from the alarm system within a twelve (12) month period, the system owner shall pay a mitigation fee to the fire department of \$300.00, plus the cost of fire engine response.
4. Upon the ninth (9th) and following alarms from the alarm system within a twelve (12) month period, the system owner shall pay a mitigation fee to the fire department of \$500.00, plus the cost of fire engine response, for each occurrence.

901.7.7.2 Hearing on Notice. Any person receiving a notice of nuisance alarm who contends that the Fire Chief erroneously determined that the fire alarm system was not functioning as designed, may file a written request with the Fire Chief for a hearing on the determination within ten (10) days after receipt of the notice of nuisance alarm. The Fire Chief shall give the requesting party a hearing on the

determination within thirty (30) days of receipt of the request. The request shall set forth: (1) that the system functioned as designed, or (2) that the nuisance alarm resulted from an act of God, flooding, or other violent natural condition without fault and beyond the control of the requesting party. Within ten (10) days following the hearing, the chief shall give written notice of his or her decision to the requesting party.

(47) California Fire Code Section 902.1 is amended to add the following:

SUBSTANTIAL IMPROVEMENT (Sonoma County Code Section 7-19)

(48) California Fire Code Section 903.2 is amended to read:

903.2 Where Required. Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in Sections 903.2.1 through 903.2.12 and sections 903.2.14 through 903.2.21. Approved automatic sprinkler systems in existing buildings and structures shall be provided in locations described in Section 903.6.

Exceptions:

1. Agricultural and Greenhouse buildings as approved by the fire code official when not required in other sections of the California Building Code.
2. Detached accessory structures to Group R-3 not classified as a dwelling unit and not exceeding 3,000 square feet (279m²) in gross floor area (See California Residential Code).
3. Detached non-combustible motor vehicle fuel dispensing canopies.
4. Detached group U occupancies not greater than 3,000 square feet (279m²), OR WHEN APPROVED BY THE Fire Code Official where the entire structure is not to exceed 5,500 sq ft (510m²).
5. Special occupancy aircraft hangar shade structures as approved by the fire code official, unless required in NFPA409.

(49) California Fire Code Section 903.2.1 is amended to read:

903.2.1 Group A. An automatic sprinkler system shall be provided throughout buildings containing a Group A occupancy exceeding 1500 square feet or when required per 903.2.1.1 through 903.2.1.6.

(50) California Fire Code Section 903.2.1.6 is amended to read:

903.2.1.6 Assembly Occupancies on Roofs. Where an occupied roof has an assembly occupancy with an occupant load exceeding 100 for Group A-2 and 300 for other Group A Occupancies, an automatic sprinkler system shall be provided throughout the building in accordance with Section 903.3.1.1 or 903.3.1.2.

Exception deleted.

(51) California Fire Code Section 903.2.1.7 is amended to read:

903.2.1.6 Multiple Fire Areas. An automatic sprinkler system shall be provided where multiple fire areas of Group A-1, A-2, A-3 or A-4 occupancies share exit or exit access components and the combined occupant load of these fire areas is 100 or more.

(52) California Fire Code Section 903.2.2 is amended to read:

903.2.2 Ambulatory Care Facilities. An automatic sprinkler system shall be installed throughout buildings containing an ambulatory care facility.

(53) California Fire Code Section 903.2.3 is amended to read:

903.2.3 Group E. An automatic sprinkler system shall be provided throughout buildings containing Group E occupancies. For public school state-funded construction projects or for public school campuses, Kindergarten through 12th grade, see Section 903.2.19 through 903.2.20.

(54) California Fire Code Section 903.2.4 is amended to read:

903.2.4 Group F. An automatic sprinkler system shall be provided throughout buildings containing a Group F occupancy where gross floor area exceeds 3000 square feet (279m²).

Exceptions:

1. Canopied winery crush pads less than 12,000 square feet in area, provided that all of the following conditions are met:
 - a. The canopy and supporting structure are constructed of non-combustible materials.
 - b. If attached, the crush pad is separated from other portions of the building by one-hour fire-resistive walls.

- c. The crush pad is not used for storage of combustible materials.
 - d. The canopy and supporting structure are incapable of trapping heat, smoke or other byproducts of combustion.
2. Dairy milking facilities less than 12,000 feet in area.
 3. Manufactures of upholstered furniture or mattresses less than 2500 square feet in area.

(55) California Fire Code, Section 903.2.5.1 is amended to read:

903.2.5.1 Group H. An automatic sprinkler system shall be installed throughout buildings containing Group H occupancies.

(56) California Fire Code, Section 903.2.6.1 is deleted.

(57) California Fire Code Section 903.2.7 is amended to read as follows:

903.2.7 Group M. An automatic sprinkler system shall be provided throughout buildings containing a Group M occupancy where gross floor area exceeds 3000 square feet (279m²).

(58) California Fire Code Section 903.2.8.1 is amended to read as follows:

903.2.8.1 Group R-3. An automatic sprinkler system installed in accordance with Section 903.3.1.3 shall be permitted in Group R-3 occupancies and shall be provided throughout all one- and two-family dwellings regardless of square footage in accordance with the California Residential Code. Automatic sprinklers systems shall be installed in all mobile homes, manufactured homes and multi-family manufactured homes with two or more dwelling units in accordance with Title 25 of the California Code of Regulations.

(59) California Fire Code Section 903.2.9 is amended to read:

903.2.9 Group S. An automatic sprinkler system shall be provided throughout all buildings containing a Group S occupancy where the gross floor area exceeds 3000 square feet (279m²).

Exceptions:

1. Agricultural and Greenhouse buildings as approved by the fire code official.
2. Detached accessory structures to Group R-3 not classified as a dwelling unit and not exceeding 3000 square feet (279m²) in gross floor area.

3. Special occupancy aircraft shade structures as approved by the fire code official, unless required in NFPA409.
4. Volunteer Fire Department vehicle storage barn not exceeding 3000 sq. ft. (279m²) or when approved by the Fire Code Official not exceeding 5,500 sq ft (510m²).
5. Storage of upholstered furniture or mattresses less than 2500 square feet in area.

(60) California Fire Code Section 903.2.9.1 is deleted.

(61) California Fire Code Section 903.2.10 is amended to read as follows:

903.2.10 Group B. An automatic sprinkler system shall be provided throughout buildings containing a Group B occupancy where the gross floor area exceeds 3,000 square feet (279m²).

(62) California Fire Code Section 903.2.10.1 is deleted.

(63) California Fire Code Section 903.2.11 is amended to read as follows:

903.2.11 Specific Buildings Areas and Hazards. In all occupancies other than detached Group U occupancies not greater than 3,000 square feet (279m²), an automatic sprinkler system shall be installed for building design or hazard in the locations set forth in Sections 903.2.11.1 through 903.2.11.9.

(64) California Fire Code Section 903.2.11.3 exception is deleted.

(65) California Fire Code Section 903.2.11.7 is added to read:

903.2.11.7 High-Piled Storage. An automatic sprinkler system shall be provided throughout buildings containing high-pile combustible storage.

(66) California Fire Code, Section 903.2.11.8 is added to read as follows:

903.2.11.8 Undetermined Use Design. Automatic sprinkler systems installed in buildings or structures of undetermined use shall be designed and installed to have a minimum density of .33 gallons per minute per square foot over a minimum design area of 3,000 square feet (279m²).

(67) California Fire Code, Section 903.2.11.9 is added to read as follows:

903.2.11.9 Elevation of Existing Buildings. An automatic fire extinguishing system shall be installed throughout all existing buildings when the building is elevated to three or more stories, or more than thirty-five feet (35') in height, from grade to the exposed roof.

Exceptions:

1. An automatic fire-extinguishing system need not be provided when the area above 35 feet (35') is provided for aesthetic purposes only and is a non-habitable space.
2. An automatic fire-extinguishing system need not be provided when existing single-family and two-family dwellings are elevated to comply with the requirements of Chapter 7B of the Sonoma County Code, provided that all of the following conditions are met:
 - (a) The elevation creates a building no more than three stories in height
 - (b) Two approved exits that exit directly to the exterior and one exterior stair leading to the lowest level of fire department access are provided from the highest floor.
 - (c) Approved interconnected smoke alarms are installed at each floor level and in all sleeping rooms, and hallways adjacent to sleeping rooms.
 - (d) There is no expansion or modification of use other than installation of the exits required by subparagraph (b) above and a utility room less than 100 square feet. The space created at ground level by the elevation shall be used only as a private parking garage or as unused vacant space.
 - (e) Any addition exceeding Table 903.6 to the building after the elevation shall require installation of an automatic fire-extinguishing system.

(68) California Fire Code, Section 903.4.2 is amended to read as follows:

903.4.2 Alarms. One exterior approved audible or audible visual device, located on the exterior of the building in an approved location, shall be connected to each automatic sprinkler system. Such sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

(69) California Fire Code, Section 903.6 is amended to read as follows:

903.6 Where Required in Existing Buildings and Structures. An automatic sprinkler system shall be provided throughout existing buildings and structures where required in Chapter 11 or that undergo a substantial improvement as defined by CBC Chapter 2 in accordance with Table 903.6.

Exception: Alterations made solely for the purpose of providing barrier removal pursuant to the requirements of the American Disabilities Act (ADA) as contained in exception #4 of CBC Section 11B-204.2.

(70) California Fire Code, Table 903.6 is added to the California Fire Code, to read:

**TABLE 903.6
EXISTING BUILDINGS AND STRUCTURES**

Existing Gross Floor Area ^(d)	Allowable Gross Floor Area Increase
0-1,000 sq. ft.:	200% ^(c)
1,001-4,000 sq. ft.:	100% ^{(a)(c)}
Greater than 4,000 sq. ft.:	50% ^{(a)(b)(c)}

^(a)A 2,000 sq. ft. maximum of an increase is allowed.

^(b)Maximum cumulative allowable gross floor area is 6,000 sq. ft.

^(c)Fire sprinklers are required when additions to Limited Density Owner-Built Rural Dwellings (as described in Sonoma County Code Chapter 7-A) exceed 640 sq. ft. in gross floor area.

^(d)Remodels that are greater than 75% of the original gross floor area.

(71) California Fire Code, Section 905.3.1 is amended to read:

905.3.1 Height. In other than Group R-3 and R-3.1 occupancies, Class III standpipe systems shall be installed throughout at each floor where any of the following occur:

1. Buildings where the floor level of the highest story is located more than 30 feet (9,144 mm) above the lowest level of fire department vehicle access.
2. Buildings that are three or more stories in height.
3. Buildings where the floor level of the lowest story is located more than 30 feet (9,144 mm) below the highest level of fire department access.
4. Buildings that are two or more stories below the highest level of fire department vehicle access.

Exceptions:

1. Class I standpipes are allowed in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2.
2. Class I standpipes are allowed in Group B and E occupancies.
3. Class I standpipes are allowed in parking garages.
4. Class I standpipes are allowed in basements equipped throughout with an automatic sprinkler system.
5. Class I standpipes are allowed in buildings where occupant-use hose lines will not be utilized by trained personnel or the fire department.
6. In determining the lowest level of fire department vehicle access, it shall not be required to consider either of the following:
 - 6.1. Recessed loading docks for four vehicles or less.
 - 6.2. Conditions where topography makes access from the fire department vehicle to the building impractical or impossible.
7. When determined by the Fire Code Official a standpipe system is not warranted in three-story buildings.

(72) California Fire Code, Section 912.2 is amended to read:

912.2 Location. With respect to hydrants, driveways, buildings and landscaping, fire department connections shall be so located that fire apparatus and hose connected to supply the system will not obstruct access to the buildings for other fire apparatus. The location of the fire department connections shall be within 100 feet of a fire hydrant or approved by the fire code official.

(73) California Fire Code, Sections 914.12 through 914.12.2 are added to read:

914.12 Type 3 winery caves as defined in Section 446 of the California Building Code and Sections 914.12.1 and 914.12.2 of the California Fire Code.

914.12.1 Fire Alarm System. An approved manual fire alarm system shall be installed in accordance with section 907.2 in new and existing Type 3 winery caves unless equipped with an automatic sprinkler system installed in accordance with 903.3.1.1. The fire alarm system shall activate the occupant notification system in accordance with 907.5 when the occupant load exceeds 100 or more.

914.12.2 Automatic Sprinkler System. An approved automatic sprinkler system shall be installed in accordance with 903.3.1.1 in all new Type 3 winery caves when the occupant load exceeds 100 or more, or existing winery caves when a change of use is approved by the fire code official.

**CHAPTER 33
FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION**

(74) California Fire Code, Section 3315.3 is amended to read:

3315.3 Where Required. In buildings of combustible construction required to have automatic sprinkler system by Section 903, automatic sprinkler system shall be installed prior to construction exceeding 40 feet in height above the lowest level of fire department vehicle access. Such automatic sprinkler system shall be extended as construction progresses to within one floor of the highest point of construction having secured decking or flooring.

(75) California Fire Code, Section 3315.4 is added to read:

3315.4 Buildings Being Demolished. Where a building is being demolished and an automatic sprinkler system is existing within such a building, such automatic sprinkler system shall be maintained in an operable condition so as to be available for use by the fire department. Such automatic sprinkler system shall be demolished with the building but shall not be demolished more than one floor below the floor being demolished.

**CHAPTER 39
PROCESSING AND EXTRATION FACILITIES**

(76) California Fire Code, Section 3901.4 is added to read:

3901.4 Technical Assistance Report. A Technical Assistance Report (TAR) shall be required for all new extraction and processing facilities as set forth in Section 104.8.2 to provide a complete analysis of the facility and operations. Additional Technical Reports are required for extraction equipment not listed in accordance with UL 1389 as set forth in Section 3904.2.

(77) California Fire Code, Section 3903.2 is amended to read:

3903.2 Prohibited Occupancies. Extraction processes utilizing flammable gasses or flammable liquids shall not be located in a building containing a Group A, E, I or R occupancy, or occupancies regulated by the California Residential Code.

(78) California Fire Code, Section 3903.3 is added to read:

3903.3 Location. The extraction equipment and extraction processes utilizing hydrocarbon solvents shall be located in a room or area dedicated to extraction. For other than CO₂ and nonhazardous extraction process, the extraction equipment and process shall be separated from other occupancies and uses with fire barriers where required by Section 508.4.

(79) California Fire Code, Section 3903.5 is amended to read:

3903.5 Use of Flammable and Combustible Liquids. Extraction and post oil processing operations using flammable liquids or combustible liquids heated above their flashpoint, including dispensing of flammable liquids between containers, shall be performed in one of the following locations:

1. An exhausted chemical fume hood installed in accordance with the California Building Code and California Mechanical Code.
2. A room or approved exhausted enclosure with an approved exhaust system installed in accordance with the California Mechanical Code.

Electrical equipment used within the chemical fume hood shall be rated for use in flammable atmospheres. Heating of flammable or combustible liquids over an open flame is prohibited.

Exceptions:

1. The use of a heating element not rated for flammable atmospheres, where documentation from the manufacture, or approved testing laboratory indicates the element is rated for heating of flammable liquids.
2. Unheated processes at atmospheric pressure using less than 16 oz. (473 ml) of flammable liquids shall not be required to comply with 3903.5(1) or 3903.5(2).

(80) California Fire Code, Section 3903.5.1 and 3903.5.2 are added to read:

3903.5.1 Electrical Components. All electrical components within the chemical fume hood, room, or exhausted enclosure shall be approved permanent wiring, interlocked such that the exhaust system shall be in operation for lighting and components to be used.

3903.5.2 Refrigerators, Freezers, and Cooling Equipment. Refrigerators, freezers, and other cooling equipment used to store of cool flammable liquids shall be listed for the storage of flammable/combustible liquids or shall be listed for Class I, Division 1 locations, as described in the California Electrical Code.

(81) California Fire Code, Section 3903.6 is amended to read:

3903.6 Liquefied Petroleum Gas. Liquefied petroleum gases (LPG) shall not be released to the atmosphere except when released in accordance with Section 7.3 of NFPA 58. LPG liquid piping systems shall be in compliance with California Fire Code Chapter 61.

(82) California Fire Code, Section 3903.6.1 is added to read:

3903.6.1 Exhaust. An approved exhaust system shall be provided for LPG extractions.

(83) California Fire Code, Section 3903.6.1.1 is added to read:

3903.6.1.1 Installation. The exhaust systems shall be installed and maintained in accordance with the California Mechanical Code.

(84) California Fire Code, Section 3903.6.1.2 is added to read:

3903.6.1.2 Processes. All LPG extraction operations, including processes for off-gassing spent plant material and oil retrieval, shall be conducted within a chemical fume hood, enclosure, or room in compliance with the California Mechanical Code.

(85) California Fire Code, Section 3903.6.2 is added to read:

3903.6.2 Electrical Systems. Electrical equipment shall be in accordance with Section 3903.6..2.1 through 3906.2.5.

(86) California Fire Code, Section 3903.6.2.1 is added to read:

3903.6.2.1 Electrical Bonding and Grounding. All conductive equipment and conductive objects within the exhaust room shall be bonded and grounded in accordance with California Electrical Code.

(87) California Fire Code, Section 3903.6.2.3 is added to read:

3903.6.2.2 Classified Areas. The area within a hood or enclosure used for LPG extractions shall be classified as a Class 1, Division 1 hazardous location in accordance with the California Electrical Code. Areas adjacent to Class 1, Division 1 locations shall be classified in accordance with the California Electrical Code.

(88) California Fire Code, Section 3903.6.2.3 is added to read:

3903.6.2.3 Interlock. All electrical components within the extraction room shall be interlocked with the hazardous exhaust system such that room lighting and other extraction room electrical equipment will only operate when the exhaust system is in operation.

(89) California Fire Code, Section 3903.6.2.4 is added to read:

3903.6.2.4 Emergency Power. An automatic emergency power system shall be provided for the following items, when installed:

1. Extraction room lighting
2. Extraction room ventilation system
3. Solvent gas detection system

Exception: Except where required by other sections of this code, extraction room ventilation systems in existing facilities are not required to have a secondary power source, such as emergency or standby power until such time that the medium of extraction or solvent is changed.

(90) California Fire Code, Section 3903.6.2.5 is added to read:

3903.6.2.5 Gas Detection Systems. Gas detection systems shall be provided with constant non-interlocked power.

(91) California Fire Code, Section 3903.7 is added to read:

3903.7 Carbon Dioxide Extraction. Carbon dioxide extraction shall comply with sections 3903.7.1, 3903.7.2, and 3903.7.3.

(92) California Fire Code, Section 3903.7.1 is added to read:

3903.7.1 Storage and Handling. All carbon dioxide compressed gas cylinders shall be secured in approved method to prevent falling.

(93) California Fire Code, Section 3903.7.2 is added to read:

3903.7.2 Carbon Dioxide Gas Detection. An approved, listed carbon dioxide detection system complying with CFC Section 5307.4 shall be installed in the carbon dioxide extraction room. Auto-calibrating and self-zeroing devices or detectors shall be prohibited.

(94) California Fire Code, Section 3903.7.3 is added to read:

3903.7.3 Carbon Dioxide Discharge. The extraction equipment pressure relief devices and blow-off valves shall be piped to the exterior of the building.

(95) California Fire Code, Section 3903.8 is added to read:

3903.8 Means of Egress. For extraction rooms using hazardous materials, each room shall be provided with at least one exit access door complying with the following:

1. The door shall swing in the direction of egress travel.
2. The door shall be provided with a self-closing or automatic closing device.
3. The door shall be equipped with panic or fire exit hardware.
4. The exit access travel distance cannot be increased as allowed in CFC Section 1017.2.2 for extraction/cultivation facilities.

(96) California Fire Code, Section 3903.9 is added to read:

3903.9 Signage. The NFPA 704 hazard rating diamond sign, minimum 10” in size, and no smoking signs shall be posted on the exterior of the extraction room door.

(97) California Fire Code, Section 3903.9.1 is added to read:

3903.9.1 Safety Data Sheets. All applicable safety data sheets (SDS) shall be posted in the approved location.

(98) California Fire Code, Section 3903.9.2 is added to read:

3903.9.2 Warning Signage. Applicable hazard warning signage shall be posted throughout the facility as applicable for emergency equipment.

(99) California Fire Code, Section 3904.2.2.3 is amended to read:

3904.2.2.3 Site Inspection. Prior to the operation of the extraction equipment, the engineer of record or approved professional, as approved in Section 3904.2, shall inspect the site of the extraction process once equipment has been installed for compliance with the technical report and the building analysis. The engineer or approved professional shall provide a report of findings and observations to the fire code official prior to the approval of the extraction process. The field inspection report authored by the engineer of record shall include the serial number of the equipment used in the process and shall

confirm that the equipment installed is the same model and type of equipment identified in the technical report.

(100) California Fire Code, Section 3904.3 is added to read:

3904.3 Change of Extraction Medium. Where the medium of extraction or solvent is changed from the material indicated in the technical report or as required by the manufacturer, the technical report shall be revised at the cost of the facility owner and submitted for review and approval by the fire code official prior to the use of the equipment with the new medium or solvent.

**CHAPTER 49
REQUIREMENTS FOR WILDLAND-URBAN INTERFACE FIRE AREAS**

(101) California Fire Code Section, Section 4905.4 is added to read:

4905.4 Setbacks for Structure Defensible Space. Except where more restrictive requirements apply, construction, projections, openings and penetrations of exterior walls of buildings constructed on parcels within State Responsibility Areas (SRA) shall provide setbacks from the property line and/or exterior wall protection according to table 4905.4 (a) or table 4905.4 (b), in accordance with California Code of Regulations, Title 14, SRA Fire Safe Regulations.

(102) California Fire Code Section 4905.4 (a) and Table 4905.4(b) are added to read:

**Table 4905.4(a)
Exterior Walls, within State Responsibility Area, with Automatic Fire Sprinkler Protection**

Exterior Wall Element		Minimum Fire-Resistance Rating	Minimum Fire Separation Distance
Walls	(Fire-resistance rated)	1 hour-tested in accordance with ASTM E 119 or UL 263 with exposure <i>from</i> both sides	< 10feet
	(Not fire-resistance rated)	Comply with CRC Sec <i>R337.7</i> or CBC Sec <i>707A</i>	≥ 10 feet
	(Fire-resistance rated)	1 hour on the underside	< 10 feet

Projections	(Not fire-resistance rated)	Comply with Section <i>CRC Sec R337.9 or CBC Sec.709A</i>	> <u>10</u> feet
Openings in walls	Not allowed	N/A	< 5 feet
	25% maximum of wall area	Apply for Alternate Methods and Materials	> <u>5</u> feet
	25% maximum of wall area	Comply with Section <i>R337.8 or CBC Sec 708A</i>	> <u>10</u> feet
	Unlimited	Comply with Section <i>R337.8 or CBC Sec 708A</i>	> <u>20</u> feet
Penetrations	All	Comply with Section <i>R302.4 or CBC 714.3</i>	< 10 feet
		Comply with Section <i>R327.6 or CBC 706A</i>	> <u>10</u> feet

For SI: 1 foot = 304.8 mm.

Table 4905.4 (b)

Exterior Walls, within State Responsibility Area, without Automatic Residential Fire Sprinkler Protection

Exterior Wall Element		Minimum Fire-Resistance Rating	Minimum Fire Separation Distance
Walls	(Fire-resistance rated)	1 hour-tested in accordance with ASTM E 119 or UL 263 with exposure from both sides	< 10 feet
	(Not fire-resistance rated)	Comply with Section R337.7 or CBC Sec 707A	> <u>10</u> feet
Projections	(Fire-resistance rated)	1 hour on the underside	< 10 feet
	(Not fire-resistance rated)	Comply with Section R337.9 or CBC Sec.709A	> <u>10</u> feet
Openings in walls	Not allowed	N/A	< 10 feet
	25% maximum of wall area	Comply with Section R337.8 or CBC Sec 708A	> <u>10</u> feet
	Unlimited	Comply with Section R337.8 or CBC Sec 708A	> <u>20</u> feet
Penetrations	All	Comply with Section R302.4 or CBC 714.3	< 10 feet
		Comply with Section R337.6 or CBC 706A	> <u>10</u> feet

For SI: 1 foot = 304.8 mm.

**CHAPTER 53
COMPRESSED GASES**

(103) California Fire Code, Section 5307.2 is amended to delete exception #1.

(104) California Fire Code, Section 5307.3.2.1 is added to read:

5307.3.2.1 Gas Detection System. Indoor storage and use areas and storage buildings shall be provided with a gas detection system complying with Section 916.

**CHAPTER 56
EXPLOSIVES AND FIREWORKS**

(105) California Fire Code, Section 5608.1.2 is added to read:

5608.1.2 Permit Required. A permit shall be obtained from the fire code official in accordance with Section 105.6 and 13-66 of the Sonoma County Fire

Safety Ordinance prior to the performance of any firework display. Application for such approval shall be made in writing no less than twenty (20) days prior to the proposed display. The application shall be considered and acted upon by the fire code official or authorized designee pursuant to this Chapter and Title 19, Chapter 6, Article 3 - Licenses of the California Code of Regulations. Any permit for a fireworks display may be suspended or revoked at any time by the Fire code official or authorized designee.

(106) California Fire Code, Section 5608.2 is added to read:

5608.2 Limitations. Possession, storage, offer or expose for sale, sell at retail, gift or give away, use, explode, discharge, or in any manner dispose of fireworks is prohibited within the limits established by law as the limits of the districts in which such possession, storage, offer or exposure for sale, retail sale, gifting, use, explosion, discharge, or disposal of fireworks is prohibited (see Section 13-66 of Sonoma County Fire Safety Ordinance.)

Exception: Firework displays authorized pursuant to section 5608.1 for which a permit has been issued.

**CHAPTER 57
FLAMMABLE AND COMBUSTIBLE LIQUIDS**

(107) California Fire Code, Section 5704.2.9.6.1 is amended to read:

5704.2.9.6.1 Locations Where Above-Ground Tanks Are Prohibited. Storage of Class I and II liquids in above-ground tanks outside of buildings is prohibited within the limits established by law as the limits of the districts in which such storage is prohibited in any area as established by applicable land-use and zoning standards.

(108) California Fire Code, Section 5706.2.4.4 is amended to read:

5706.2.4.4 Locations Where Above-Ground Tanks are Prohibited. Storage of Class I and II liquids in above-ground tanks outside of buildings is prohibited within the limits established by law as the limits of the districts in which such storage is prohibited in any area as established by applicable land-use and zoning standards.

(109) California Fire Code, Section 5707 is deleted.

**CHAPTER 58
FLAMMABLE GASES AND FLAMMABLE CRYOGENIC FLUIDS**

(110) California Fire Code, Section 5806.2 is amended to read:

5806.2 Limitations. Storage of flammable cryogenic fluids in stationary containers outside of buildings is prohibited within the limits established by law as the limits of the districts in which such storage is prohibited in any area as established by applicable land-use and zoning standards.

CHAPTER 61 LP GASES

(111) California Fire Code, Section 6104.2 is amended to read:

6104.2 Maximum Capacity Within Established Limits. Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested areas, the aggregate capacity of any one installation shall not exceed a water capacity of 2,000 gallons in any area as established by applicable land-use and zoning standards.

Exception: (No change)

(112) California Fire Code, Section 6107.5 is added to read:

6107.5 Seismic Anchoring. An approved seismic anchoring system shall be installed on all permanently installed, propane/LPG gas containers.

CHAPTER 80 REFERENCED STANDARDS

(113) California Fire Code, NFPA, Section 13-22, Section 29.4.1 is amended to read:

29.4.1 The installing contractor shall identify a hydraulically designed sprinkler system with permanently raised, stamped or etched marked weatherproof metal or ridged plastic sign secured with corrosion resistant wire, chain, or other approved means.

(114) California Fire Code, NFPA, Section 13-22, Section 29.5.1 is amended to read:

29.5.1 The installing contractor shall identify a pipe schedule sprinkler system with permanently raised, stamped or etched marked weatherproof metal or ridged plastic sign secured with corrosion resistant wire, chain, or other approved means.

(115) California Fire Code, NFPA, Section 13D-16, Section 5.1.1.2 is amended to read:

5.1.1.2 A supply of at least three sprinklers shall be maintained on the premises so that any sprinklers that have operated or been damaged in any way can be promptly replaced.

(116) California Fire Code, NFPA, Section 13D-16, Section 5.1.1.2.1 is added to read:

5.1.1.2.1 The sprinklers shall correspond to the types and temperature ratings of the sprinklers in the property. The stock sprinklers shall include not less than one sprinkler of all types and ratings installed.

(117) California Fire Code, NFPA, Section 13D-16, Section 5.1.1.2.2 is added to read:

5.1.1.2.2 The sprinklers shall be kept in a mounted and accessible cabinet located where the temperature to which they are subjected will at no time exceed the maximum ceiling temperatures specified in Table 5.1.1.6.1 for each of the sprinklers within the cabinet.

(118) California Fire Code, NFPA, Section 13D-16, Section 5.1.1.3 is added to read:

5.1.1.3 One sprinkler wrench as specified by the sprinkler manufacture shall be provided in the cabinet for each type of sprinkler installed to be used for the removal and installation of sprinklers in the system.

(119) California Fire Code, NFPA, Section 13D-16, Section 6.2.3.4 is added to read:

6.2.3.4 Exterior pumps shall be installed in a ventilated and weather protected area or shelter or in accordance with the manufacturer's recommendations.

(120) California Fire Code, NFPA, Section 13D-16, Section 7.2.7 is added to read:

7.2.7 An inspectors test valve shall be provided and installed at the furthest most remote location of the system.

(121) California Fire Code, NFPA, Section 13D-16, Section 7.6 is added to read:

7.6 Alarms. A local waterflow alarm shall be provided on all sprinkler systems on the exterior of the home within 10 feet of the riser location, or as approved by the fire code official.

**APPENDIX B
FIRE-FLOW REQUIREMENTS FOR BUILDINGS**

(122) California Fire Code Section Appendix B, Section B101.1 is amended to read:

B101.1 Scope. The procedure for determining fire-flow requirements for buildings or portions of buildings hereafter constructed shall be in accordance with this Appendix. This Appendix does not apply to structures other than buildings. This section applies to residential and commercial developments. One- and two-family residential dwellings in unincorporated areas shall comply with Sonoma County Fire Safe Standards. Design and construction shall be in accordance with the following sections

unless otherwise authorized by the fire code official in accordance with Chapter 1, Division II, Section 104.9 Alternative Materials and Methods.

(123) California Fire Code Section Appendix B, B103.3 is amended to read:

B103.3 Areas Without Water Supply Systems. For information regarding water supplies for firefighting purposes in rural and suburban areas in which adequate water supply systems do not exist, the fire code official is authorized to utilize NFPA 1142, the International Wildland-Urban Interface Code or the Sonoma County Fire Safe Standards.

(124) California Fire Code Section Appendix B Table B105.2 is amended to read:

**TABLE B105.2
Required Fire-Flow for Buildings Other Than One- and Two-Family Dwellings,
Group R-3 and R-4 Buildings and Townhouses**

AUTOMATIC SPRINKLER SYSTEM (Design Standard)	MINIMUM FIRE- FLOW (gallons per minute)	FLOW DURATION (hours)
No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2)
Section 903.3.1.1 of the <i>California Fire Code</i>	50% of the value in Table B105.1(2) ^a	Duration in Table B105.1(2) at the reduced flow rate
Section 903.3.1.2 of the <i>California Fire Code</i>	50% of the value in Table B105.1(2) ^a	Duration in Table B105.1(2) at the reduced flow rate

For SI: 1 gallon per minute = 3.785 L/m.

- a. The reduced fire-flow shall be not less than 1,500 gallons per minute.

**APPENDIX C
FIRE HYDRANT LOCATIONS AND DISTRIBUTION**

(125) California Fire Code Section Appendix C, Section C101.1 is amended to read:

C101.1 Scope. In addition to the requirements of Section 507.5.1 of the California Fire Code fire hydrants shall be provided in accordance with this Appendix for the protection of buildings, or portions of buildings, hereafter constructed or moved into the jurisdiction. This section applies to residential and commercial developments. One- and two-family residential dwellings and buildings accessory to one- and two-family residential dwellings in rural areas may comply with the Sonoma County Fire Safe Standards. Design and construction shall be in accordance with the following sections unless otherwise authorized by the fire code official in accordance with Chapter 1, Division II, Section 104.9 Alternative Materials and Methods.

Exception: Group B, S-2 and U occupancies having a floor area not exceeding 1,000 square feet, primarily constructed of noncombustible exterior walls with wood or steel roof framing, having a Class A roof assembly, with uses limited to the following or similar uses:

1. California State Parks buildings of an accessory nature (restrooms).
2. Safety Roadside Rest Areas (SRRA), public restrooms.
3. Truck Inspection Facilities (TIF), CHP office space, and vehicle inspection bays.
4. Sand/salt storage buildings, storage of sand and salt.
5. Volunteer fire facilities, including office space and vehicle storage bays.

(126) California Fire Code Section C103.1 is amended to read:

C103.1 Hydrant Spacing. Fire apparatus access roads and public streets providing required access to buildings in accordance with Section 503 of the California Fire code shall be provided with one or more fire hydrants, as determined by Section C102.1. Where more than one fire hydrant is required, the distance between required fire hydrants shall be approved by the fire code official.

**APPENDIX D
FIRE APPARATUS ACCESS ROADS**

(127) California Fire Code Section Appendix D, Section D101.1 is amended to read:

D101.1 Scope. Fire apparatus access roads shall be in accordance with this Appendix as amended and all other applicable requirements of the California Fire Code. This section applies to residential and commercial developments. Design and construction shall be in accordance with the following sections unless otherwise authorized by the fire code official in accordance with 104.9 Alternative Materials and Methods.

Exception: One- and two-family residential dwellings; detached U occupancy buildings less than 1,000 square feet in area accessory to a one- or two-family dwelling; and agricultural exempt buildings less than 8,000 square feet in area may comply with the fire apparatus access road requirements of the Sonoma County Fire Safe Standards.

(128) California Fire Code Section Appendix D, Section D102.1 is amended to read:

D102.1 Access and Loading Commercial. Facilities, buildings or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of an approved fire apparatus access road with an asphalt, concrete or other approved driving surface capable of supporting the imposed load of fire apparatus weighing at least 75,000 pounds or as approved by the fire code official.

(129) California Fire Code Appendix D Section D103.1 is deleted.

(130) California Fire Code Appendix D Section D103.2 is amended to read:

D103.2 Grade. Fire apparatus access roads shall be in accordance with the Sonoma County Fire Safe Standards or as approved by the fire code official.

(131) California Fire Code Appendix D Section D103.3 is amended to read:

D103.3 Turning Radius. The minimum turning radius shall be determined by Sonoma County Fire Safe Standards or as approved by the fire code official.

(132) California Fire Code Appendix D Section D103.4 is amended to read:

D103.4 Dead Ends. Dead-end fire apparatus access roads in excess of 150 feet (45,720 mm) shall be provided with width and turnaround provisions in accordance with the Sonoma County Fire Safe Standards or as approved by the fire code official.

(133) California Fire Code Appendix D Table D103.4 is deleted.

(134) California Fire Code Appendix D Section D103.6 is amended to read:

D103.6 Signs. Where required by the fire code official, fire apparatus access roads shall be marked with permanent NO PARKING-FIRE LANE signs complying with the California Vehicle Code.

(135) California Fire Code Appendix D Section D103.6.1 is deleted.

(136) California Fire Code Appendix D Section D103.6.2 is deleted.

(137) California Fire Code Appendix D Section D104.3 is amended to read:

D104.3 Remoteness. Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses unless otherwise approved by the fire code official.

(138) California Fire Code Appendix D Section D106.1 is amended to read and the exception deleted as follows:

D106.1 Projects Having More Than 50 Dwelling Units. Multiple-family residential projects having more than 50 dwelling units shall be equipped throughout with two separate and approved fire apparatus access roads.

(139) California Fire Code Appendix D Section D106.2 is deleted.

(140) California Fire Code Appendix D Section D106.3 is amended to read:

D106.3 Remoteness. Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses unless otherwise approved by the fire code official.

(141) California Fire Code Appendix D Section D107.1 exceptions #1 and #2 are deleted.

(142) California Fire Code Appendix D Section D107.2 is amended to read:

D107.2 Remoteness. Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses unless otherwise approved by the fire code official.

SECTION II. Chapter 13, Article V of the Sonoma County Code is hereby amended:

Article V. Fire Safe Standards

(e) Sec. 13-22 Title, is amended as follows:

Sec. 13-22. Title. This article shall be known and may be sighted as the Sonoma County Fire Safe Standards.

(f) Sec. 13-22.1 Purpose, is amended to read:

This article is adopted for the purpose of establishing minimum fire safe standards for development within the unincorporated areas of the county.

Development located in the State Responsibility Area (SRA) and the Very High Fire Hazard Severity Zones (VHFHSZ) in the Local Responsibility Area (LRA) is subject to the provisions of California Code of Regulations, Title 14 Natural Resources Code, Division 1.5, Chapter 7, Subchapter 2, Article 1-5, SRA Fire Safe Regulations.

Development located in the LRA, except for the VHFHSZ, is subject to this article. Where a development subject to the provisions of this article cannot meet a specified standard, an exception to the standard may be applied for pursuant to Section 13-23. This article is not intended to restrict or otherwise limit the authority or discretion of the County to impose additional requirements when reviewing applications for development. Nothing in this article is intended to supersede more restrictive provisions of this Code and where another provision of this Code establishes a more stringent requirement, that requirement shall control.

(g) Sec. 13-25 Exemptions, is amended as follows:

Sec. 13-25. Exemptions.

The provisions of this article shall not apply to any of the following, except to the extent provided for herein:

- (a) Any building granted an agricultural exemption pursuant to Chapter 7 of this Code, provided that the building does not exceed 8,000 square feet in size and is not located in a State Responsibility Area.
- (b) Any road or bridge used exclusively for access to an agricultural operation; or an agricultural exempt structure; or a Group U occupancy, less than 1,000 square feet in area, accessory to a one- or two-family residential dwelling, as defined in the County Building Code.
- (c) Any road or bridge used exclusively for the management and harvesting of wood products.
- (d) Any new building accessory to a one- or two-family residential dwelling with a floor area of less than one thousand (1,000) square feet and containing a detached Group U occupancy as defined in the County Building Code, except that the provisions of Divisions C and E of this article shall apply to all such buildings.
- (e) Any existing road that provides year-round unobstructed access to conventional drive vehicles, including sedans and fire engines, which was constructed and serving a legal parcel prior to January 1, 1991, except that (1) the provisions of Division C of this article shall apply to all such roads, and (2) all of the other provisions of this article shall apply to any such road if it is extended,

reconstructed or improved pursuant to a development approval, but only to the portion of the road that is extended, reconstructed or improved.

- (f) Any road required as a condition of any development approval granted prior to January 1, 1991, except that (1) the provisions of Division C of this article shall apply to all such roads, and (2) all of the other provisions of this article shall apply to any such road if it is extended, reconstructed or improved pursuant to a new development approval, but only to the portion of the road that is extended, reconstructed or improved.
- (g) Any existing driveway serving a legally constructed residential building shall comply with Sonoma County Code Chapter 1, Article V, Division C Signing and Building Numbering. Any existing driveway serving a rebuilt structure, or change of use structure, shall be provided with, but not limited to, additional turnouts, turnarounds. All of the other provisions of this article shall apply to any such driveway if it is extended, reconstructed or improved pursuant to a new development approval, but only to the portion of the driveway that is extended, reconstructed or improved.
- (h) Any legal or legal non-conforming building constructed prior to January 1, 1991, or any building for which a building permit was issued or an application for a building permit was accepted as complete for filing prior to January 1, 1991; except that the provisions of this article shall apply to any such building if the occupancy is changed, altered, or otherwise converted to any Group R, Division 3 occupancy as defined in the County Building Code.
- (i) Any addition to an existing building adding a floor area less than six hundred forty (640) square feet including a detached Group U occupancy as defined in the County Building Code, except that the provisions of Divisions C and E of this article shall apply to all such buildings.

(h) Sec. 13-33 Road and Driveway Structures, subsection (g) is amended to read:

- (a) All new bridge structures shall meet a minimum standard of HS-20 and be of non-combustible construction unless approved by the building and fire code official.

SECTION III. Pursuant to Health and Safety Code sections 13143.5 and 17958.7, the Board of Supervisors expressly finds that this ordinance and the changes or modifications made herein to the 2022 edition of the California Building Standards Code including the amendment to the existing fire protection sprinkler and fire safe roofing standards, and the minimum Fire Safe Standards for development within the unincorporated area of the county are reasonably necessary because of local climatic, geological, and topographical conditions. The Board of Supervisors further finds in connection therewith as follows:

1. Climatic Conditions. Sonoma County has unique climatic conditions. The County is subject to year-round coastal winds. Average yearly rainfall for the County is approximately 30 inches. This rainfall generally occurs during October to April. During the summer months (July, August, September), the prevalent Pacific High Cell creates early morning fog, which assists the natural vegetation in growth. During the summer months, dry winds and vegetation mix to create a hazardous fuel condition. This condition causes grassland and brushland fires each year. While normal temperatures do not exceed 85-90 Fahrenheit degrees during the summer months, temperatures can exceed 110 Fahrenheit degrees in parts of the County. Particularly during times of high temperatures and low humidity, a fire can move quickly through the County.

Several years of drought conditions have previously occurred in the County, thus reducing available water. Groundwater as well as surface supplies have been affected. This condition has created a situation where lowered water tables, water contamination and increased demand on water systems due to population growth have all negatively impacted water availability for fire protection. These impacts degrade the quality of fire protection and fire suppression activities.

2. Geological Conditions. Sonoma County has geological and geographic characteristics which have scenic appeal for residents and visitors. The County is situated in a primarily rural setting with a rugged coastline forming its western boundary and mountainous areas forming its northern and eastern boundaries. Forested areas and grasslands are located throughout the County. These features create barriers to accessibility for emergency fire equipment and personnel.

The forested areas in the County also contribute to potential fire hazards, particularly when decayed trees, branches, needles and leaves drop to the ground. The dry vegetation and low water availability also cause problems for emergency fire equipment and personnel. The grassland areas in the County have easily ignitable fuels which are subject to high winds. A southern exposure and unbroken fuel create a potential for major conflagrations.

Further compounding the potential fire hazards, the County has active seismic faults within its boundaries (including the San Andreas Fault). Large portions of the County are within the Alquist-Priolo Special Study Zones. While systems have been developed to study and monitor the activity of earthquakes, science has not yet been able to reliably predict fault activity. New construction may be limited by their respective distances to faults, however, existing structures and replacement of those structures could present a serious problem.

Moreover, the mixture of developed and undeveloped areas within the County creates hazardous conditions when fallen trees, landslides or flooding block access by emergency fire equipment and personnel. The mixture of developed and undeveloped areas within the county creates hazardous conditions when a storm of gale force winds causes trees to fall onto roadways used for access by emergency fire equipment and personnel. In addition,

flooding occurs in certain areas of the county during heavy winter storms limiting or eliminating access for emergency fire equipment and personnel.

Landslides have been experienced in various areas of the county. While stabilization can sometimes be provided, heavy winter storms cause failures. These failures have closed roadways within the county making access for emergency fire equipment and personnel impossible until properly cleared.

3. Topographical Conditions. The sources of water within the County are directly affected by its topographical layout. The water sources consist of on-site water storage tanks, lakes, pools, wells, mutual water systems and the Sonoma County Water Agency distribution network. Water supplies within the County vary from less than ten (10) gallons per minute to flows in excess of four thousand (4000) gallons per minute. This wide variation causes major problems to fire suppression forces. The roadway system through most of the County is designed around the topographical lay of the land and consists in many cases of narrow, winding roads, steep grades and overhanging tree branches. The grades on roadway surfaces sometimes exceed twenty-five percent (25%), and widths of less than twelve (12) feet are not uncommon.

The topographical conditions also make construction more restricted to the level and semi-level portions of the County. The high concentration of commercial, industrial and residential structures in these areas has the potential to become a significant fire hazard. The exposure created by these structures poses a significant problem. For practical and cost reasons, these structures are built of wood (Type V) construction. The potential of conflagration exists with the high buildout of certain areas in the county. The concentrated commercial, industrial, and residential occupancies in these areas cause concern when considering the "exposure" of building-to-building and building-to-grassland areas of the county.

The topographical nature of the County also lends itself to power failures caused when fallen trees and limbs tear out sections of electrical transmission lines which run throughout the County. Power failures also are caused by Pacific Gas and Electric Company's public safety power shutoffs (PSPS). These power failures cause electrical pumps to become inactive, and thus, water supplies are interrupted.

Vehicular accidents also have been known to interrupt this pumping operation. Narrow roads and heavy congestion increase the risk of vehicular accidents that cause such interruptions. Due to the narrow roads which are congested with residents and visitors alike, this situation occurs more than could be normally expected.

4. The preceding findings identify the local climatic, geological and topographical conditions which this Board has considered in adopting this ordinance. The Board finds that these conditions make the modifications as set forth herein reasonably necessary as such modifications will assist in mitigating the local climatic, geological and topographical

conditions. These findings are intended to support each of the amendments made as part of this ordinance based on local conditions.

5. Additional findings as to building standards and administrative changes.

Agricultural building exemption permit - Sonoma County includes many acres of rural, agricultural property. Crops are grown and livestock is raised throughout the County, and the preservation of agricultural land, farming, and the right to farm is an important goal of County government. Exemption from building permit requirements saves farmers the unnecessary cost of building permits and the inevitable delays in the construction process which are caused by permits and inspections, and helps to preserve the tradition of family farms, dairies, vineyards, and stables. Agricultural buildings are still required to conform to building standards notwithstanding this administrative exemption.

SECTION IV. Except as added, revised, amended or deleted herein, the remaining provisions of Chapter 13 as previously adopted shall remain in full force and effect.

SECTION V. The County Fire Warden / Fire Marshal is directed to file a copy of this Ordinance with the State Fire Marshal, California Building Standards Commission of the State of California and California Department of Forestry and Fire Protection.

SECTION VI: The provisions of this Code shall not be construed as imposing upon the County of Sonoma any liability or responsibility for damages to persons or property resulting from defective work, nor shall the County of Sonoma, or any official, employee or agent thereof, be held as assuming any such liability or responsibility by reason of the review or inspection authorized by the provisions of this Code of any permits or certifications issued under this Code.

SECTION VII. Environmental Review. The Board has considered the application of CEQA to this ordinance, including the proposed California State Building Standards and local amendments thereto. The Board of Supervisors has concluded that this action of adopting this ordinance does not meet the definition of a project pursuant to Public Resources Code §21065 and is exempt from CEQA. The proposed local amendments are simply amendments to existing state regulations which are already substantially in extant and in practice and required by state law and are intended to continue local regulations, improve clarity, update existing standards to reflect modern fire prevention policy and equipment requirements and ensure consistency. Alternatively, the Board finds this ordinance exempt pursuant to CEQA Guidelines 15307 and 15308 in that the standards set forth in the ordinance are authorized by state law to assure the maintenance, restoration, enhancement or protection of natural resources and the environment. In addition, the Board of Supervisors finds and determines that this ordinance is exempt from CEQA pursuant to the common-sense exemption Section 15061(b)(3) of the State CEQA Guidelines as it can be seen with certainty that there is no possibility that the proposed modifications and clarifications to construction and fire safety policy and standards, which are already substantially in extant and in practice and required by state law, may have a significant effect on the environment. This finding and determination is based on the environmental

determination of the Permit and Resource Management Department for this ordinance. The Director of Permit and Resource Management Department is directed to file a notice of exemption in accordance with CEQA and the State CEQA Guidelines.

SECTION VIII. If any section, subsection, sentence, clause or phrase of this ordinance is for any reason held to be unconstitutional and invalid, such decision shall not affect the validity of the remaining portion of this ordinance. The Board of Supervisors hereby declares that it would have passed this ordinance and every section, subsection, sentence, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses or phrases be declared unconstitutional or invalid.

SECTION X. This Ordinance takes effect 30 days after the date of its passage must be published once before the expiration of fifteen (15) days after said passage, with the names of the Supervisors voting for or against the same, in *The Press Democrat*, a newspaper of general circulation published in the County of Sonoma, State of California.

In regular session of the Board of Supervisors of the County of Sonoma, introduced and considered at a public hearing on the 8th day of November 2022, and finally passed and adopted following a public hearing on the 6th day of December, on roll call of the members of said Board by the following vote:

SUPERVISORS:

Gorin: ___ Rabbitt: ___ Coursey: ___ Hopkins: ___ Gore: ___

Ayes: ___ Noes: ___ Absent: ___ Abstain: ___

WHEREUPON, the Chair declared the above and foregoing Ordinance duly adopted and

SO ORDERED.

Chair, Board of Supervisors
County of Sonoma

ATTEST:

Sheryl Bratton,
Clerk of the Board of Supervisors