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Date: 11/15/19  
City Clerk's Office

ORDINANCE NO. 17.19

AN ORDINANCE AMENDING CHAPTER 8, ARTICLES I THROUGH XIV,  
OF THE MOUNTAIN VIEW CITY CODE, RELATING TO  
THE ADOPTION OF THE 2019 CALIFORNIA BUILDING CODES,  
INCORPORATING BY REFERENCE OTHER INTERNATIONAL AND  
UNIFORM CODES, AND ADOPTION OF THE 2018 INTERNATIONAL  
PROPERTY MAINTENANCE CODE AND 1997 UNIFORM CODE FOR THE  
ABATEMENT OF DANGEROUS BUILDINGS

THE CITY COUNCIL OF THE CITY OF MOUNTAIN VIEW DOES HEREBY  
ORDAIN AS FOLLOWS:

Section 1. Chapter 8 of the Mountain View City Code is hereby amended to read  
as follows:

**"CHAPTER 8 - BUILDINGS**

**ARTICLE I. - BUILDING CODE**

**DIVISION I. - CALIFORNIA BUILDING CODE**

**SEC. 8.10.1. - California Building Code – Adopted.**

The California Building Code, 2019 edition, incorporates, by adoption, the 2018 edition of the International Building Code of the International Code Council with California amendments. The 2018 International Building Code, promulgated by the International Code Council, which regulates the erection, construction, enlargement, alteration, repair, moving, removal, conversion, demolition, occupancy, equipment, use, height, area, and maintenance of buildings and other structures, is adopted, including the following appendices: Appendix I, Appendix J and Appendix O by this reference is made a part of this City Code with the same force and effect as though set out herein in full. Division II, Part 1, Scope and Administration, of the 2019 California Building Code is adopted as the City of Mountain View's administrative provisions for all adopted building codes. One (1) copy of the California Building Code is on file and open to public inspection in the building inspection office.

**SEC. 8.10.2. - Subsection 101.1 amended – Title.**

Subsection 101.1 of the 2019 California Building Code is amended to read:

**101.1. Title.** These regulations shall be known as the building code of the City of Mountain View, hereinafter referred to as "this code."

**SEC. 8.10.3. - Subsection 101.4.4 amended – Property maintenance.**

Subsection 101.4.4 of the 2019 California Building Code is amended to read:

**101.4.4. Property maintenance.** The provisions of the California Building Code, California Residential Code, California Mechanical Code, California Electrical Code, California Plumbing Code, California Fire Code, Mountain View Green Building Code, and International Property Maintenance Code shall apply to existing structures and premises; equipment and facilities; light, ventilation, space heating, sanitation, life and fire safety hazards; responsibilities of owners, operators and occupants; and occupancy of existing premises and structures.

**SEC. 8.10.4. - Subsection 103.1 amended – Creation of an enforcement agency.**

Subsection 103.1 of the California Building Code is amended to read as follows:

**103.1. Division of building inspection established.** There is hereby established in the City of Mountain View a division of building inspection which shall be under the supervision of the chief building official who shall be accountable to the community development director of the city.

**SEC. 8.10.5. - Subsection 104.1 amended – General.**

Subsection 104.1 of the California Building Code is amended to read as follows:

**104.1. General.** The chief building official is hereby authorized and directed to enforce the provision of this code. The chief building official shall have the authority to render interpretations of this code and to adopt policies and procedure in order to clarify the application of its provisions. Such interpretations, policies and procedures shall be in compliance with the intent and purpose of this code. Such policies and procedures shall not have the effect of waiving requirements specifically provided for in this code.

a. The chief building official is hereby authorized and empowered to enforce all the provisions of this code. For such purposes, he/she shall have the powers of a law enforcement officer.

b. The chief building official shall enforce a fee schedule set forth by city council resolution, as amended from time to time.

**SEC. 8.10.6. - Subsection 105.2 amended – Work exempt from permit.**

Subsection 105.2 of the California Building Code is hereby amended to read as follows:

**105.2. Work exempt from permit.** Exemptions from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code of any other laws or ordinances of this jurisdiction. Permits shall not be required for the following:

**Building:**

1. One (1) story detached accessory structures with no mechanical, electrical or plumbing installed and used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed one hundred twenty (120) square feet (11 m<sup>2</sup>).
2. Wood fences not over six (6) feet (1,829 mm) high.
3. Oil derricks.
4. Retaining walls that are not over four (4) feet (1,219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or IIIA liquids.
5. Water tanks supported directly on grade if the capacity does not exceed five thousand (5,000) gallons (18,925 L) and the ratio of height to diameter or width does not exceed 2:1.
6. Sidewalks, residential decks and driveways no more than thirty (30) inches (762 mm) above adjacent grade, and not over any basement or story below and are not part of an accessible route or required exit.
7. Painting, papering, tiling, carpeting, cabinets, countertops and similar finish work that are not an element of an accessible route or furnishing a portion of a kitchen or bathroom remodel.
8. Temporary motion picture, television, and theater stage sets and scenery; provided an accessible route is available.
9. Prefabricated swimming pools accessory to a Group R-3 occupancy that are less than twenty-four (24) inches (610 mm) deep, are not greater than five thousand (5,000) gallons (1,895 L) and are installed entirely above ground. 10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.

11. Swings and other playground equipment accessory to single detached one (1) and two (2) family dwellings and not considered a public playground.

12. Window awnings in a Group R-3 and U occupancies, supported by an exterior wall that do not project more than fifty-four (54) inches (1,372 mm) from the exterior wall and do not require additional support; not part of a homeowners association (HOA).

13. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5'9" (1,753 mm) in height.

14. Window replacements meeting the requirements of Section R310 and utilizing the existing framing; not part of an HOA.

15. A pond, not intended for swimming or recreational bathing, and contains water less than eighteen (18) inches (457 mm) in depth, intended for fish or aesthetic purposes; and protected from public access in single-family or duplex.

16. Freestanding signage under 5' 9", when not attached to a permanent building or structure.

**Electrical:**

1. Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles in single-family homes and duplexes.

2. Radio and television transmitting stations: The provisions of this code shall not apply to electrical equipment used for radio and television transmission, but do apply to equipment and wiring for a power supply and installations of towers and antennas.

3. Temporary testing systems: A permit shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

**Gas:**

1. Portable heating appliance not used as a permanent heat source.

2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

**Mechanical:**

1. Portable heating appliance not used as a permanent heat source.

2. Portable ventilation equipment.
3. Portable cooling equipment
4. Replacement of any part that does not alter its approval or make it unsafe.
5. Portable evaporative cooler.
6. Self-contained refrigeration system containing ten (10) pounds (4.54 kg) or less of refrigerant and actuated by motors of one (1) horsepower (0.75 kW) or less; in a single-family dwelling or duplex.

**Plumbing:**

1. The stopping of leaks in drains, water, soil, waste or vent pipe; provided, however, that if any concealed trap, drain pipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a permit shall be obtained and inspection made as provided in this code.

2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures and the removal and reinstallation of water closets, provided that such repairs do not involve or require the replacement or rearrangement of valves, pipes, fixtures or subflooring.

**SEC. 8.10.7. - Subsection 105.3.2 amended – Time limitation of application.**

Subsection 105.3.2 of the California Building Code is amended to read as follows:

**105.3.2. Time limitation of application.** An application for a permit for any proposed work shall be deemed to have been abandoned one hundred eighty (180) calendar days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the chief building official is authorized to grant one (1) or more extensions of time for additional periods not exceeding one hundred eighty (180) calendar days each. The extension shall be requested in writing and justifiable cause demonstrated prior to date of application abandonment.

**SEC. 8.10.8. - Subsection 105.5 amended – Expiration.**

Subsection 105.5 of the California Building Code is amended to read as follows:

**105.5. Expiration.** Every permit issued by the chief building official under the provisions of this code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within three hundred sixty-five (365) calendar days from the date of such permit or if the building or work authorized by such permit is suspended or abandoned at any time after the work is

commenced for a period of three hundred sixty five (365) calendar days from the last inspection. In order to renew action on a permit after expiration, the permittee shall pay a new full permit fee. The chief building official has the authority to waive or reduce said fees if deemed appropriate and maintaining cost recovery.

Any permittee holding an unexpired permit may apply for an extension of the time within which work may commence under that permit when the permittee is unable to commence work within the time required by this section for good and satisfactory reasons. The chief building official may extend the time for action by the permittee for a period not exceeding one hundred eighty (180) calendar days on written request by the permittee showing that circumstances beyond the control of the permittee have prevented action from being taken.

**SEC. 8.10.9. - Subsection 105.8 added—Required approval of community development director.**

Subsection 105.8 is added to the California Building Code, to read as follows:

**105.8. Required approval of community development director.** As to any application for a building permit regarding any proposed or existing building or structure situated, or to be situated, on any lot, which lot is subject to a previously granted variance, site plan, and architectural approval, conditional use permit, planned community permit or any other type of entitlement set forth in Chapter 36 of the Mountain View City Code, the chief building official shall not be required to issue any such building permit unless the community development director, or the director's authorized representative, has informed the chief building official that the conditions of approval of such variance, site plan, and architectural approval, conditional use permit, planned community permit or other land use entitlement have been fulfilled, or that sufficient guarantees have or will be posted with the director to ensure that all such conditions of approval will be fulfilled.

**SEC. 8.10.10. - Subsection 109.2 amended— Schedule of permit fees.**

Subsection 109.2 of the California Building Code is amended to read as follows:

**109.2. Schedule of permit fees.** On buildings, structures, electrical, gas, mechanical and plumbing systems or alterations requiring a permit, a fee for each permit shall be paid as required, in accordance with the master fee schedule as adopted by the city council.

**SEC. 8.10.11. - Subsection 109.3 amended— Building permit valuations.**

Subsection 109.3 of the California Building Code is amended to read as follows:

**109.3. Building permit valuations.** The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total

value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. If, in the opinion of the chief building official, the valuation is underestimated on the application, the valuation shall be adjusted using the current building valuation data table as determined by the building inspection division. Final minimum building permit valuation shall be set by the chief building official.

**SEC. 8.10.12. - Subsection 109.5 amended and subsection 109.5.1 added – Related fees.**

Subsection 109.5 of the California Building Code is amended and subsection 109.5.1 is added to the California Building Code to read as follows:

**109.5. Related fees.** The payment of the fee for the construction, alteration, removal or demolition for work done in connection to or concurrently with the work authorized by a building permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed by law and the City of Mountain View.

**109.5.1 Fee waiver or reduction.** Fees may be waived or reduced, at the discretion of the chief building official, for all building permits related to improvement to the home of a person at least sixty (60) years of age with a qualifying disability and such improvements are made to accommodate that disability.

**SEC. 8.10.13. - Subsection 110.31 amended – Footing and foundation inspection.**

Subsection 110.31 of the California Building Code is amended to read as follows:

**110.3.1. Footing and foundation inspection.** Footing and foundation inspections shall be made after excavations for footing are complete and any required reinforcing steel is in place. For concrete foundations, any required forms shall be in place prior to inspection. Material for the foundation shall be on the job, except where concrete is ready mixed in accordance ASTM C94, the concrete need not be on the job. A wet-stamped and signed survey shall be produced for any new footing and/or foundation placement outside of the original building footprint prior to release of concrete pour.

**SEC. 8.10.14. - Section 110.7 added – Reinspection.**

Subsection 110.7 of the California Building Code is amended to read as follows:

**110.7 Reinspection.** A reinspection fee may be assessed for each inspection or reinspection when such portion of work for which the inspection was called for is not complete or when corrections called for are not made prior to reinspection. Fees shall be paid as required and in accordance with the master fee schedule as adopted by the city council.

**SEC. 8.10.15. - Section 111.2 amended – Certificate issued.**

Subsection 111.2 of the California Building Code is amended to read as follows:

**111.2. Certificate issued.** After the chief building official or his/her designee inspects the building or structure and finds no violations of the provisions of this code, City of Mountain View conditions and ordinances, or other laws that are enforced by the building inspection division, the chief building official or his/her designee shall issue a certificate of occupancy. The project job card issued by the City of Mountain View shall serve as the certificate of occupancy when properly signed by the city.

**SEC. 8.10.16. - Subsection 112.1 amended – Connection of service utilities.**

Subsection 112.1 of the California Building Code is amended to read as follows:

**112.1. Connection of service utilities.** It shall be unlawful for any person, firm or corporation to make a connection from a source of electrical energy or fuel gas to any electric wiring system, gas piping system, device, appliance or equipment for the installation of which a permit is required, unless such wiring system, gas piping system, device, appliance or equipment has first been inspected and found to comply with all applicable codes and ordinances of the city, and has been approved by the chief building official or his/her designee.

**SEC. 8.10.17. - Subsection 112.3 amended – Authority to disconnect service utilities.**

Subsection 112.3 of the California Building Code is amended to read as follows:

**112.3. Authority to disconnect service utilities.** The chief building official is authorized to disconnect, or order disconnection of, electrical or gas service to any system, device, appliance, or equipment found to be in violation of this code or under any of the following conditions:

1. Failure of the owner or his/her agent to secure or to fully comply with the conditions of the required permits.
2. Work found to be hazardous to life and property due to emergency, improper installation or maintenance or lack thereof of devices, appliances or equipment.
3. Work performed with or without a permit which has been connected to a source of supply without approval of the chief building official.
4. Electrical or gas services to buildings vacant for a period exceeding sixty (60) calendar days.



**SEC. 8.10.18. - Subsection 113.1 amended – General procedure for appeals.**

Subsection 113.1 of the California Building Code is amended to read as follows:

**113.1. General procedure for appeals.** Any applicant for a building permit who is in disagreement with the chief building official's interpretation of any provision of this code, or any applicant for a building permit who has been refused issuance of such permit, may appeal the chief building official's interpretation or refusal to issue said permit to the city council of the city, which shall serve as the board of appeals. All such appeals shall be filed within ten (10) business days after the date the chief building official renders an interpretation of any provision of this code or refuses to issue said permit. All appeals shall be in writing, shall be filed with the city clerk, shall state the ground or grounds of appeal and shall be accompanied by a nonrefundable fee of two hundred fifty dollars (\$250). Within sixty (60) calendar days after an appeal is filed, or as soon thereafter as possible, the appeal shall be heard by the city council. The city clerk shall give at least five (5) calendar days prior written notice to the applicant of the date, time, and place for the hearing on said appeal. The applicant shall be entitled to present any oral and/or written evidence at said hearing. Any hearing held pursuant to this section may be continued from time to time by the city council. The hearing shall be informal and shall not require compliance with the rules of evidence. At the hearing, the city council shall hear and consider all relevant evidence. Within twenty-one (21) calendar days after the hearing is closed, the city council shall announce its decision. All decisions of the city council on any appeal shall be final. Failure of any person to file an appeal in accordance with the provisions of this section shall constitute a waiver of the right to an administrative hearing and a failure to exhaust administrative remedies.

**SEC. 8.10.19. - Subsection 114.1 amended – Unlawful acts.**

Subsection 114.1 of the California Building Code is amended to read as follows:

**114.1. Unlawful acts.** It shall be unlawful for any person, firm or corporation to erect, construct, enlarge, alter, repair, move, improve, remove, convert or demolish, equip, use, occupy or maintain any building or structure in the city, or cause or permit the same to be done, contrary to or in violation of any of the provisions of this code.

Any person, firm or corporation violating any of the provisions of this code shall be deemed guilty of a misdemeanor, and each such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation of any of the provisions of this code is committed, continued or permitted, and upon conviction of any such violation such person shall be punishable as set forth in the Mountain View city code.

**SEC. 8.10.20. - Section 202 - Definitions – Construction trailer(s) added.**

Section 202 of the California Building Code is amended by adding the following definition:

**Definitions - Construction trailer(s).** A temporary mobile trailer intended to house construction personnel in order to coordinate on-site construction activities on an active construction site.

**SEC. 8.10.21. - Section 202 – Definitions – Townhouse amended.**

Section 202 of the California Building Code is amended to modify the following definition:

**Definitions – Townhouse.** A single-family dwelling unit constructed in a group of three (3) or more attached units in which each unit extends from the foundation to the roof and with open space on a least two (2) sides. To be defined as R-3, the townhouse must reside on its own separate parcel of land and shall meet the requirements of Table 706.4 of the 2019 California Residential Code.

**SEC. 8.10.22. - Section 406.2.1 amended – Motor vehicle-related occupancies.**

Section 406.2.1 of the California Building Code is amended to read as follows:

**406.2.2.1. Clear height.** In private garages and carports, the clear height in vehicle and pedestrian traffic areas shall be not less than seven (7) feet six (6) inches; no exceptions.

**SEC. 8.10.23. - Section [F] 502.1 amended – Address identification.**

Section [F] 502.1 of the California Building Code is amended to read as follows:

**[F] 502.1. Address identification.** New and existing buildings shall be provided with approved address numbers or letters approved by the chief building official. Each character shall be not less than six (6) inches (152.4 mm) in height and not less than 0.5 inch (12.7 mm) in width. They shall be installed on a contrasting background and be plainly visible from the street or road fronting the property. When required by the fire code official, address numbers shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building address cannot be viewed from the public way, a monument, pole, or other approved sign or means shall be used to identify the structure. Address numbers shall be maintained.

**Exception:** For R-3 occupancies, numbers shall be a minimum four (4) inches high with minimum stroke width of 0.5 inch.

**SEC. 8.10.24. - Subsection Table 706.4 amended – Fire wall fire-resistance ratings.**

Table 706.4 of the California Building Code is amended to read as follows:

**Table 706.4**

**FIRE WALL FIRE-RESISTANCE RATINGS**

| Group  | Fire-Resistance Rating (hours) |
|--|--------------------------------|
| A, B, E, H-4, I, R-1, R-2, R-2.1, U, L   | 3 <sup>a</sup>                 |
| F-1, H-3 <sup>b</sup> , H-5, M, S-1  | 3                              |
| H-1, H-2,  | 4 <sup>b</sup>                 |
| F-2, S-2, R-3 <sup>c</sup> , R-4   | 2                              |
| a. In Type II or V construction, walls shall be permitted to have a two (2) hour fire resistance rating.   |                                |
| b. For Group H-1, H-2 or H-3 buildings, also see Sections 415.7 and 415.8.   |                                |
| c. In Occupancy Group R-3, the construction separation at the lot line shall be with two (2) separate one (1) hour rated fire barrier per Section 707. |                                |

**SEC. 8.10.25. - Section 903.2 amended – Automatic sprinkler systems; Where required.**

Section 903.2 of the California Fire Code is amended to read as follows:

**903.2. Where required.** Approved automatic sprinkler systems in new buildings and structures, and in existing buildings and structures, shall be provided in the locations described in this section or as required in Sections 903.2.1 through 903.2.19, whichever is the more restrictive:

1. An automatic sprinkler system shall be installed throughout all new buildings and structures.


**Exceptions:**

- a. Buildings and structures that do not exceed one thousand (1,000) square feet of building area. This exception does not apply to residential buildings that require the installation of fire sprinklers in accordance with the California Residential Code, except as noted in Exception C.
- b. Group S-2 or U occupancies used exclusively for vehicle parking and meeting all of the following conditions:
  - (1) Noncombustible construction;
  - (2) Maximum building area not to exceed five thousand (5,000) square feet;

- (3) Structure is open on three (3) or more sides;
  - (4) Minimum of ten (10) feet separation from existing buildings unless area is separated by fire walls complying with California Building Code Sec. 706.
- c. Accessory dwelling units (ADU) shall not be required to provide fire sprinklers if fire sprinklers are not required for the primary residence. 2. In determining whether an automatic fire sprinkler system is required, the following criteria shall be used:
- (a) Determine the Building Area as defined by the California Building Code.

**Exception:** Eave projections twenty-four (24) inches or less shall not be counted.


- (b) Multiply the Building Area as determined herein by the number of stories. A full basement shall be counted as a story and the floor area of mezzanine(s) shall be added to the Building Area of the story in which they are located.
  - (c) For the purposes of determining whether automatic fire sprinklers are required in a building, the installation of fire walls and fire barriers will not be considered to create separate buildings.
3. Any change in the character of occupancy or in the use of any building with a Building Area at or over one thousand (1,000) square feet which, as required by the fire chief or chief building official, would place the building into a more hazardous division of the same occupancy group or into a different group of occupancies and constitutes a greater degree of life safety, or increased fire risk, shall require the installation of an approved automatic fire sprinkler system.
- (a) For purposes of this section, life safety includes, but is not limited to, increased occupant load, public assembly areas, public meeting areas, churches, indoor amusement attractions, buildings with complex exiting system due to increased occupant loads, large schools/day-care facilities, large residential care facilities with nonambulatory clients.
  - (b) For purposes of this section, fire risks include, but is not limited to, high piled combustible storage, woodworking operations, hazardous operations using hazardous materials, increased fuel loads (storage of moderate to highly combustible materials), increased sources of ignition (welding, automotive repair with the use of flammable liquids and open flame).

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4. For existing nonsprinklered buildings, an approved automatic sprinkler system shall be required when additions meet one of the following criteria:
    - a) Additions equal to or greater than one hundred (100) percent of the existing square footage, preceding five (5) years considered.
    - b) Additions that increase the total building area to over four thousand one hundred (4,100) square feet.
    - c) Additions where less than fifty (50) percent of the existing contiguous habitable roof, walls and foundation remains, eaves excluded.
    - d) Where any basement is added to the structure.

**SEC. 8.10.26. - Subsection 903.3.1 amended – Automatic sprinkler systems; Standards.**

Subsection 903.3.1 of the California Building Code is amended to read as follows:

**903.3.1. Standards.** Sprinkler systems shall be designed and installed in accordance with Section 903.3.1.1, unless otherwise permitted by 903.3.1.2 and 903.3.1.3. Sprinkler systems shall also be designed and installed in accordance with the City of Mountain View “Commercial Automatic Fire Sprinklers Requirements” and “Residential Automatic Fire Sprinklers Requirements.”



**SEC. 8.10.27. - Subsection 905.3 amended – Standpipe systems; Required installations.**


Subsection 905.3 of the California Building Code is amended to read as follows:

**905.3. Required installations.** Standpipe systems shall be installed where required by Subsections 905.3.1 through 905.3.11.1 and in the locations indicated in Subsections 905.4, 905.5, and 905.6. Standpipe systems are required to be combined with automatic sprinkler systems.

**Exception:** Standpipe systems are not required in Group R-3 Occupancies.

**SEC. 8.10.28. - Section 905.3.1 amended – Standpipe systems; Height.**

Section 905.3.1 of the California Fire Code is amended to read as follows:



**905.3.1. Height.** Class III standpipe systems shall be installed throughout buildings where the floor level of the highest story is located more than twenty (20) feet above the lowest level of the fire department vehicle access, or where the floor level of the lowest story is located more than twenty (20) feet below the highest level of fire department vehicular access.

**Exceptions:**

1. Class I wet 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 wet standpipes are allowed in open parking garages where the highest floor is located not more than one hundred fifty (150) feet above the lowest level of fire department vehicle access.
3. Class I manual dry standpipes are allowed in open parking garages that are subject to freezing temperatures, provided the hose connections are located as required for Class II standpipes in accordance with Section 905.5.
4. Class I wet standpipes are allowed in basements equipped throughout with an automatic sprinkler system.
5. In determining the lowest level of fire department vehicular access, it shall not be required to consider:
  - 5.1 Recessed loading docks for four (4) vehicles or less; and
  - 5.2 Conditions where topography makes access from the fire department vehicle to the building impractical or impossible.

**SEC. 8.10.29. - Subsection 905.3.5 amended – Standpipe systems; Underground buildings and parking structures.**

Subsection 905.3.5 of the California Building Code is amended to read as follows:

**905.3.5. Underground buildings and parking structures.** Underground buildings and parking structures shall be equipped throughout with a Class I automatic wet standpipe system.

**SEC. 8.10.30. - Section 905.4 amended – Standpipe systems; Location of Class I standpipe hose connections.**

Section 905.4 of the California Building Code is amended to read as follows:

**905.4 Location of Class I Standpipe hose connections.** Class I standpipe hose connections shall be provided in all of the following locations:

1. In every required stairway, a hose connection shall be provided for each floor level above or below grade. Hose connections shall be located at each main floor level landing.
2. On each side of the wall adjacent to the exit opening of a horizontal exit.

**Exception:** Where floor areas adjacent to a horizontal exit are reachable from exit stairway hose connections by a thirty (30) foot hose stream from a nozzle attached to one hundred (100) feet of hose, a hose connection shall not be required on the stairway side of the exit opening of the horizontal exit.

3. In every exit passageway, at the entrance from the exit passageway to other areas of the building.

**Exception:** Where the floor areas adjacent to an exit passageway are reachable from exit stairway hose connections by a thirty (30) foot hose stream from a nozzle attached to one hundred (100) feet of hose, a hose connection shall not be required at the entrance from the exit passageway to other areas of the building.

4. In covered mall buildings, adjacent to each exterior public entrance to the mall and adjacent to each entrance from an exit passageway or exit corridor to the mall. In open mall buildings, adjacent to each public entrance to the mall at the perimeter line and adjacent to each entrance from an exit passageway or exit corridor to the mall.
5. Where the roof has a slope less than four (4) units vertical in twelve (12) units horizontal, a hose connection shall be located to serve the roof or at the highest landing of a stairway with stair access to the roof provided in accordance with Section 1009.16.
6. Where the most remote portion of a sprinklered or nonsprinklered floor or story is more than one hundred fifty (150) feet from a hose connection, additional Class I standpipe hose connections shall be provided within one hundred fifty (150) feet of all areas. The distance from a hose connection shall be measured along the path of travel.

**SEC. 8.10.31. - Subsection [F] 907.6 amended—Fire alarm and detection systems; Installation and monitoring.**

Section [F] 907.6 of the California Building Code is amended to read as follows:

**[F] 907.6—Installation and monitoring.** A fire alarm system shall be installed and monitored in accordance with 907.6.1 through 907.6.6.3, National Fire Protection Agency (NFPA) 72 and the City of Mountain View "Fire Alarm and Sprinkler Monitoring System Requirements."

**SEC. 8.10.32. - Subsection 1010.1.9.11 amended— Doors, gates and turnstiles; Stairway doors.**

Section 1010.1.9.12 of the California Building Code is amended to read as follows:

**1010.1.9.12. Stairway doors.** Interior stairway means of egress doors shall be openable from both sides without the use of a key or special knowledge or effort.

**EXCEPTIONS:**

1. Stairway discharge doors shall be openable from the egress side and shall only be locked from the opposite side.
2. This section shall not apply to doors arranged in accordance with Section 403.5.3 of the International Building Code.
3. In stairways serving not more than six (6) stories, in buildings not otherwise classified as a high-rise building in accordance with the California Building Code, doors are permitted to be locked from the side opposite the egress side, provided they are openable from the egress side and capable of being unlocked simultaneously without unlatching upon a signal from the fire command center, if present, or a signal by emergency personnel from a single location inside the main entrance to the building.
4. Stairway exit doors shall be openable from the egress side and shall only be locked from the opposite side in Group B, F, M and S occupancies where the only interior access to the tenant space is from a single exit stair where permitted in Section 1021.2.
5. Stairway exit doors shall be openable from the egress side and shall only be locked from the opposite side in Group R-2 occupancies where the only interior access to the dwelling unit is from a single exit stair where permitted in Section 1021.2.

**SEC. 8.10.33. - Section 1607.13.5.4 deleted— Ballasted photovoltaic panel systems.**

Section 1607.13.5.4 is deleted from the California Building Code, entitled Ballasted photovoltaic panel systems.

**SEC. 8.10.34. - Subsection 2308.6.3 amended— Conventional light-frame construction provisions— Bracing.**

Section 2308.6.3 of the California Building Code is amended to read as follows:

**2308.6.3. Bracing.** Braced wall lines shall consist of braced wall panels that meet the requirements for location, type and amount of bracing as shown in Figure 2308.6.1,



specified in Table 2308.6.1(1), and are in line or offset from each other by not more than four (4) feet (1,219 mm). Braced wall panels shall start not more than twelve and one-half (12-1/2) feet (3,810 mm) from each end of a braced wall line. Braced wall panels shall be clearly indicated on the plans. Construction of braced wall panels shall be by one of the following methods:

1. Deleted.
2. Deleted.
3. Wood structural panel sheathing with a thickness not less than 5/16 inch (7.9 mm) for sixteen (16) inch (406 mm) stud spacing and not less than 3/8 inch (9.5 mm) for twenty-four (24) inch (610 mm) stud spacing in accordance with Tables 23-II-A-1 and 23-IV-D-1.
4. Fiberboard sheathing four (4) foot by eight (8) foot (1,219 mm by 2,438 mm) panels not less than one-half (1/2) inch (13 mm) thick applied vertically on studs spaced not over sixteen (16) inches (406 mm) on center when installed in accordance with Section 2315.6 and Table 23-II-J.
5. Deleted.
6. Deleted.
7. Portland cement plaster on studs sixteen (16) inches (406 mm) on center installed in accordance with Table 25-I. These standards can only be used in one-story structures of R3 and U1 occupancies.
8. Hardboard panel siding where installed in accordance with Section 2303.1.6 and Table 2308.9.3(5).

For cripple wall bracing, see Section 2308.9.4.1. For Methods 3, 4, 7 and 8, each panel must be at least forty-eight (48) inches (1,219 mm) in length, covering three (3) stud spaces where studs are spaced sixteen (16) inches (406 mm) apart and covering two (2) stud spaces where studs are spaced twenty-four (24) inches (610 mm) apart.

**SEC. 8.10.35. - Section 2505 deleted – Shear wall construction.**

Section 2505 is deleted from the California Building Code, entitled Shear Wall Construction.

**SEC. 8.10.36 - Subsection 3103.1.2 amended – Temporary structures.**

Section 3103.1.2 of the California Building Code is amended to read as follows:

**Section 3103.1.2. Temporary Structures – Permit required.**

**Exception:** Construction trailers residing (placed/installed) on an active construction site are exempt from obtaining a permit. Accessibility requirements shall be enforced for any trailer intended to be utilized for meetings with nonconstruction staff or if trailers are connected by decking materials.

**SEC. 8.10.37. - Subsection 2308.6.3 amended – Bracing methods.**

Section 2308.6.3(1) of the California Building Code is amended to read as follows:

**2308.6.3(1). Bracing methods.** Remove the following from Table 2308.6.3(1) in the Methods, Material column "LIB Let-in-bracing," "DWB Diagonal wood boards," GB Gypsum board (Double sided)," PBS Particleboard sheathing," and PCP Portland cement plaster.

**SEC. 8.10.38. - Subsection 3310.1 amended – Means of egress; Stairways required.**

Subsection 3310.1 of the California Building Code is amended to read as follows:

**3310.1. Stairways required.** Each level above the first story in new multi-story buildings that require two (2) exit stairways shall be provided with at least two (2) usable exit stairways after the floor decking is installed. The stairways shall be continuous and discharge to grade level. Exit stairs in new and in existing, occupied buildings shall be lighted and maintained clear of debris and construction materials at all times.

**Exception:** For multi-story buildings, one of the required exit stairs may be obstructed on not more than two (2) contiguous floor levels for the purpose of stairway construction (i.e., installation of gypsum board, painting, flooring, etc.).

**SEC. 8.10.39. - Subsection 3002 added – Hoistway enclosures; Elevator entrance openings and car size.**

Subsection 3002.4.3a of the California Building Code is amended to read as follows:

**3002.4.3a. Elevator entrance openings and car size.** The elevator car shall be of such a size and arrangement to accommodate a twenty-four (24) inch by eighty-four (84) inch (610 mm by 2,134 mm) ambulance gurney or stretcher with not less than five (5) inch (127 mm) radius corners, in the horizontal, open position, shall be provided with a minimum clear distance between walls or between walls and door excluding return panels not less than eighty (80) inches by fifty-four (54) inches (2,032 mm by 1,372 mm),

and a minimum distance from wall to return panel not less than fifty-one (51) inches (1,295 mm) with a forty-two (42) inch (1,067 mm) side slide door.

**Exception:** None.

**SEC. 8-11 – 8-14. - Reserved.**

**DIVISION II. - CALIFORNIA RESIDENTIAL CODE**

**SEC. 8.15.1. - California Residential Code adopted – Short title.**

The California Residential Code, 2019 edition, incorporates, by adoption, the 2018 edition of the International Residential Code of the International Code Council with California amendments. The 2018 International Residential Code, promulgated by the International Code Council, which regulates the erection, construction, enlargement, alteration, repair, moving, removal, conversion, demolition, occupancy, equipment, use, height, area, and maintenance of buildings and other structures is adopted, including the following appendices: Appendix Chapter H, Appendix J, Appendix Q and Appendix X, and by this reference is made a part of this city code with the same force and effect as though set out herein in full. One (1) copy of the 2019 California Residential Code is on file and open to public inspection in the building inspection office.

**SEC. 8.15.2. - Chapter 1 deleted – Scope and administration.**

Chapter 1, Division I and Division II, is deleted from the California Residential Code.

**SEC. 8.15.3. - Section 202 - Definitions – Townhouse amended.**

Section 202 of the California Residential Code is amended to read as follows:

**Definitions – Townhouse.** A single-family dwelling unit constructed in a group of three (3) or more attached units in which each unit extends from the foundation to the roof and with open space on a least two (2) sides. To be defined as R-3, the townhouse must reside on its own separate parcel of land and shall meet the requirements of Table 706.4 of this code.

**SEC. 8.15.4. - Table R301.2(1) amended – Climatic and geographic design criteria.**

Table R301.2(1) of the 2019 California Residential Code is amended to read as follows:

**TABLE R301.2(1)  
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA**

| Ground Snow Load | WIND DESIGN              |                                  | Seismic Design Category <sup>f</sup> | SUBJECT TO DAMAGE FROM  |                  |                      | Winter Design Temp <sup>e</sup> | Ice Barrier Underlayment Required <sup>h</sup> | Flood Hazards <sup>g</sup> | Air Freezing Index <sup>i</sup> | Mean Annual Temp <sup>j</sup> |
|------------------|--------------------------|----------------------------------|--------------------------------------|-------------------------|------------------|----------------------|---------------------------------|--|----------------------------|---------------------------------|-------------------------------|
|                  | Speed <sup>d</sup> (mph) | Topographic Effects <sup>k</sup> |                                      | Weathering <sup>a</sup> | Frost Line Depth | Termite <sup>c</sup> |                                 |  |                            |                                 |                               |
| 0                | 110                      | NO                               | D <sub>2</sub>                       | Negligible              | 0                | Very heavy           | 32°                             | NO   | Per FEMA Maps              | 0                               | 55                            |

Manual J Design Criteria to be replaced with requirements of 2019 California Energy Code – Climate Zone 4.

**SEC. 8.15.5. - Subsection R313.1 amended – Townhouse automatic sprinkler systems.**

Subsection R313.1 of the California Residential Code is amended to read as follows:

**R313.1. Townhouse automatic fire sprinkler systems.** An automatic residential fire sprinkler system shall be installed in new townhouses.


**Exception No. 1 :** For existing nonsprinklered townhouses, an approved automatic residential fire sprinkler system shall be required when additions meet one of the following criteria:

- a. Additions equal to or greater than one hundred (100) percent of the existing square footage.
- b. Additions that increase the total building area to over 4,100 square feet.

**Exception No. 2:** An automatic residential fire sprinkler system shall not be required for alterations made to existing townhouses that do not have an automatic residential fire sprinkler system installed.

**Exception No. 3:** Group S-2 or U occupancies used exclusively for vehicle parking and meeting all of the following conditions:

- 1. Noncombustible construction;


- 
2. Maximum building area not to exceed 5,000 square feet;
  3. Structure is open on three (3) or more sides;
  4. Minimum of ten (10) feet separation from existing buildings unless area is separated by fire walls complying with California Building Code Section 706.

**SEC. 8.15.6. - Subsection R313.2 amended – One- and two-family dwellings automatic sprinkler systems.**

Subsection R313.2 of the California Residential Code is amended to read as follows:


**R313.2. One- and two-family dwelling automatic fire sprinkler systems.** An automatic residential fire sprinkler system shall be installed in one- and two-family dwellings.

**Exception No. 1:** For existing nonsprinklered one- and two-family dwellings, an approved automatic residential fire sprinkler system shall be required when additions meet one of the following criteria:

- 
- a. Additions equal to or greater than one hundred (100) percent of the existing square footage.
  - b. Additions that increase the total building area to over four thousand one hundred (4,100) square feet.

**Exception No. 2 :** An automatic residential fire sprinkler system shall not be required for alterations made to existing one- and two-family dwellings that do not have an automatic residential fire sprinkler system installed.

**Exception No. 3:** Group S-2 or U occupancies used exclusively for vehicle parking and meeting all of the following conditions:

1. Noncombustible construction;
  2. Maximum building area not to exceed five thousand (5,000) square feet;
  3. Structure is open on three (3) or more sides;
  4. Minimum of ten (10) feet separation from existing buildings unless area is separated by fire walls complying with California Building Code Section 706.
- 

**SEC. 8.15.7. - Subsection R403.1.3 amended – Seismic reinforcing.**

Subsection R403.1.3, Seismic Reinforcing, is amended to read as follows:

**R403.1.3. Seismic reinforcing.** Concrete footings located in Seismic Design Categories  $D_0$ ,  $D_1$  and  $D_2$ , as established in Table R301.2(1), shall have minimum reinforcement of at least two (2) continuous longitudinal reinforcing bars not smaller than No. 4 bars. Bottom reinforcement shall be located a minimum of three (3) inches (76 mm) clear from the bottom of the footing.

In Seismic Design Categories  $D_0$ ,  $D_1$  and  $D_2$  where a construction joint is created between a concrete footing and a stem wall, a minimum of one (1) No. 4 bar shall be installed at not more than four (4) feet (1,219 mm) on center. The vertical bar shall extend to three (3) inches (76 mm) clear of the bottom of the footing, have a standard hook, and extend a minimum of fourteen (14) inches (357 mm) into the stem wall.

In Seismic Design Categories  $D_0$ ,  $D_1$  and  $D_2$  where a grouted masonry stem wall is supported on a concrete footing and stem wall, a minimum of one (1) No. 4 bar shall be installed at not more than four (4) feet (1,219 mm) on center. The vertical bar shall extend to three (3) inches (76 mm) clear of the bottom of the footing and have a standard hook.

In Seismic Design Categories  $D_0$ ,  $D_1$  and  $D_2$ , masonry stem walls without solid grout and vertical reinforcing are not permitted.

**Exception:** In detached one- and two-family dwellings which are three (3) stories or less in height and constructed with stud bearing walls, isolated plain concrete footings, supporting columns or pedestals are permitted.

**SEC. 8.15.8. - Table R602.10.3(3) amended – Bracing requirements based on seismic design category.**

Table R602.10.3(3) of the California Residential Code is amended to read as follows:

Add footnote "e" notation to Table heading as follows:

TABLE R602.10.4. a, b, c, d, e

Add footnote "e" wording to the end of Table R602.10.3.3, to read as follows:

<sup>e</sup> In Seismic Design Categories  $D_0$ ,  $D_1$  and  $D_2$ , Method GB and BV-WSP is not permitted and the use of Method PCP is limited to one-story, single-family dwellings and accessory structures.

**SEC. 8.15.9. - Reserved.**

**SEC. 8.16–8.19. - Reserved.**

**DIVISION III. - GREEN BUILDING CODE**

**SEC. 8.20.1. - California Green Building Standards Code – Adopted.**

The California Green Building Standards Code, 2019 edition, which regulates the design and construction of buildings through the use of building concepts having a reduced negative impact or positive environmental impact and encouraging sustainable construction for all new construction. One (1) copy of the California Green Building Standards Code, including the Mountain View amendments, is on file and open to public inspection in the building inspection office.

**SEC. 8.20.2. - Subsection 101.1 amended – Title.**

Subsection 101.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**101.1 Title.** These regulations shall be known as the Mountain View Green Building Code and may be cited as such and will be referred to herein as “this code.” The Mountain View Green Building Code is an amendment to Part 11 of 13 of the official compilation and publication of the adoption, amendment and repeal of building regulations to the California Code of Regulations, Title 24, also referred to as the California Building Standards Code.

**SEC. 8.20.3. - Subsection 101.3 amended.**

Subsection 101.3 of the 2019 California Green Building Standards Code is amended to read as follows:

**101.3 Scope.** The provisions of this code shall apply to the planning, design, operation, construction, use and occupancy of every privately owned, newly constructed building, addition or tenant improvement as regulated in this code throughout the City of Mountain View.

It is not the intent that this code substitute or be identified as meeting the certification requirements of any private, third-party green building program.

**SEC. 8.20.4. - Subsection 101.3.2 added.**

Subsection 101.3.2 of the 2019 California Green Building Standards Code is added to read as follows:

**101.3.2 Exempted projects.** Projects that are exempted from complying with the Mountain View Green Building Code are:

1. Nonhabitable accessory structures;
2. Registered or eligible to be registered local, state or federal historic structures;
3. Natural disaster repairs;
4. Temporary structures;
5. Residential interior alterations (i.e., remodels) which do not increase the conditioned area, volume or size; and
6. Nonresidential tenant improvements with a construction valuation less than two hundred thousand dollars (\$200,000).

**SEC. 8.20.5. - Subsection 101.10 amended.**

Subsection 101.10 of the 2019 California Green Building Standards Code is amended to read as follows:

**101.10 Mandatory requirements.** This code contains the minimum mandatory green building measures required by the City of Mountain View. All new structures in the City of Mountain View must comply with the mandatory measures of the 2019 California Green Building Standards Code as adopted by the state in addition to local amendments included in this code. This includes all residential new construction projects regardless of height or number of stories.

**SEC. 8.20.6. - Subsection 101.10.1 amended.**

Subsection 101.10.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**101.10.1 Project types.** Table 101.10, Mandatory Green Building Requirements, details the project building types that are required to comply with this code.



**SEC. 8.20.7. - Subsection 101.10.1.1 amended.**

Subsection 101.10.1.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**101.10.1.1 Residential projects.** All residential projects (single-family and multi-family) regulated by this code must comply with Mountain View's green building requirements as listed below.

**SEC. 8.20.8. - Subsection 101.10.1.1.2 amended.**

Subsection 101.10.1.1.2 of the 2019 California Green Building Standards Code is amended to read as follows:

**101.10.1.1.2 Residential new construction for single-family and duplexes:** All residential new construction must comply with the following:

a. The mandatory measures of the 2019 California Green Building Standards Code and any Mountain View amendments;

b. Demonstrate energy compliance to meet or exceed Title 24, Part 6;

c. Shall meet the parking requirements per Table 101.10;

d. Installation of photovoltaic (PV) per Title 24, Part 6, prewired to expand system to accommodate an all-electric building to one hundred (100) percent of annual kilowatt hour (kWh) consumption offset.

e. Natural gas shall not be allowed in single family and duplexes. The following list of items shall be electric installation:

1. Space-conditioning equipment

2. Clothes dryers shall be electric

3. Cooking Appliances

4. Fireplaces and/or fire pits

f. Water-heating systems and equipment shall be electric or solar, not be fueled by natural gas;

**SEC. 8.20.9. - Subsection 101.10.1.1.3 amended.**

Subsection 101.10.1.1.3 of the 2019 California Green Building Standards Code is amended to read as follows:

**101.10.1.1.3 Multi-Family.** All residential new construction with three (3) units or more must comply with the following:

- a. The mandatory measures of the 2019 California Green Building Standards Code and any Mountain View amendments;
- b. Demonstrate energy compliance to meet or exceed Title 24, Part 6;
- c. Shall meet the parking requirements per Table 101.10;
- d. Installation of PV on fifty (50) percent of roof area;

Exception: Per Sections 102.3, 102.3.1 and 102.3.2 of this code, a project may submit for an exception by providing documentation that the required percentage of PV installation will over-generate the kWh required to operate the proposed structure on an annual basis;

- e. Space-conditioning equipment shall be electric, not be fueled by natural gas;
- f. Water-heating systems and equipment shall be electric or solar, not be fueled by natural gas;
- g. Clothes dryers shall be electric, not be fueled by natural gas; and
- h. Cooking appliances and fireplaces shall be electric, not fueled by natural gas.

**SEC. 8.20.10. - Subsection 101.10.1.2.2 added.**

Subsection 101.10.1.2.2 of the 2019 California Green Building Standards Code is added to read as follows:

**101.10.1.2.2. Hotel/motel new construction**—All hotel/motel new construction must comply with the following:

- a. The mandatory measures of the 2019 California Green Building Standards Code and any Mountain View amendments;
- b. Shall meet the intent of LEED® Gold certified;
- c. Shall meet the parking requirements per Table 101.10 and Table A5.106.5.3.2;
- d. Shall demonstrate energy compliance to meet or exceed Title 24, Part 6;

- e. Installation of PV on fifty (50) percent of roof area;

Exception: Per Sections 102.3, 102.3.1 and 102.3.2 of this code, a project may submit for an exception by providing documentation that the required percentage of PV installation will overgenerate the kWh required to operate the proposed structure on an annual basis;

- f. Space-conditioning equipment shall be electric, not be fueled by natural gas;
- g. Water-heating systems and equipment shall be electric or solar, not be fueled by natural gas;
- h. Clothes dryers shall be electric, not be fueled by natural gas;
- i. Cooking appliances shall be electric, not fueled by natural gas;

Exception: Per Sections 102.3, 102.3.1 and 102.3.2 of this code, a project may submit for an exception to install a gas-fueled cooking appliance only if the project includes a for-profit kitchen of a restaurant in which the style of cooking cannot be achieved with electric cooking appliances or any other type of cooking appliance necessary to operate the kitchen. If the exception is utilized, the project shall provide installed rewiring for future use of electric appliances.

- j. Bird-safe glass shall be installed on the exterior of the structure where:
  1. The structure is equal to or greater than ten thousand (10,000) square feet;  
or
  2. The applicable precise plan requires it.

**SEC. 8.20.11. - Subsection 101.10.1.2 amended.**

Subsection 101.10.1.2 of the 2019 California Green Building Standards Code is amended to read as follows:

**101.10.1.2. Nonresidential projects.** All nonresidential projects regulated by this code must comply with Mountain View's green building requirements as listed below.

**SEC. 8.20.12. - Subsection 101.10.1.2.2 amended.** Subsection 101.10.1.2.2 of the 2019 California Green Building Standards Code is amended to read as follows:

**101.10.1.2.2. Nonresidential new construction.** All nonresidential new construction must comply with the following:

- a. The mandatory measures of the 2019 California Green Building Standards Code and any Mountain View amendments;
- b. Shall meet the intent of LEED® Gold certified;
- c. Shall meet the parking requirements per Table 101.10 and Table A5.106.5.3.2;
- d. Shall demonstrate energy compliance to meet or exceed Title 24, Part 6;
- e. Installation of PV on fifty (50) percent of roof area;

Exception: Per Sections 102.3, 102.3.1 and 102.3.2 of this code, a project may submit for an exception by providing documentation that the required percentage of PV installation will overgenerate the kWh required to operate the proposed structure on an annual basis.

- f. Space-conditioning equipment shall be electric, not be fueled by natural gas;
- g. Water-heating systems and equipment shall be electric or solar, not be fueled by natural gas;
- h. Clothes dryers shall be electric, not be fueled by natural gas; and
- i. Cooking appliances, not fueled by natural gas.

Exception: Per Sections 102.3, 102.3.1 and 102.3.2 of this code, a project may submit for an exception for installation of a gas-fueled cooking appliance under the following circumstances: in a for-profit kitchen of a restaurant where the style of cooking cannot be achieved with an electric fuel source or other option in order to operate the kitchen; and, when utilized, the developer shall provide installed prewiring for future use of electric appliances.

- j. F, H, L Occupancies may utilize natural gas only in building areas where research, experiments, and measurements in medical and life sciences are performed and/or stored and, when utilized, shall provide installed prewiring for future use of electric appliances.

k. Bird-safe glass shall be installed on the exterior of the structure where:

1. The structure is equal to or greater than ten thousand (10,000) square feet;

or

2. The applicable precise plan requires it.

**SEC. 8.20.13. - Subsection 101.10.1.3 amended.**

Subsection 101.10.1.3 of the 2019 California Green Building Standards Code is amended to read as follows:

**101.10.1.3 Mixed-use projects.** All new mixed-use construction projects must comply with Mountain View's green building requirements and meet the requirements applicable to each primary occupancy component. See Table 101.10 for mixed-use project requirements as it applies.

**SEC. 8.20.14. - Table 101.10 amended.**

Table 101.10 of the 2019 California Green Building Standards Code is amended to read as follows:

Table 101.10 Mandatory New Construction Green Building Requirements

| Project Type           | Electric Requirements <sup>1</sup>   | Natural Gas Allowed <sup>2</sup> | Energy Requirements   | EV Parking Requirements <sup>3,4 &amp; 5</sup>   | Bird-Safe Glass For Exterior of Structure <sup>6</sup> | Green Building Standard and Requirement                                      |
|------------------------|--|----------------------------------|---|--|--|--|
| SFR/Duplex             | Heat/Cooling, Water Heater, Clothes Dryer, Fireplaces and Fire Pits and Cooking Appliances | N/A                              | Title 24, Part 6<br>PV Installation per CEC, prewired to expand system to accommodate an all-electric building to 100% of annual kWh consumption offset | 1-EV2 Ready & 1-EV1 Installed  | Not Required   | Meet Mandatory CALGreen & MVGBC Requirements                                 |
| Multi-Family 3-Units + | Heat/Cooling, Water Heater, Clothes Dryer, Fireplaces and Fire Pits and Cooking Appliances | N/A                              | Title 24, Part 6<br>PV Installed on 50% of Roof Area  | 15% EV2 Installed<br>- Level 3/DC Fast Charger for every 100 spaces  | Not Required   | Meet Mandatory CALGreen, MVGBC Requirements, & Meet the Intent of LEED® Gold |
| Mixed Use              | Heat/Cooling, Water Heater, Clothes Dryer, Fireplaces and Fire Pits and Cooking Appliances | N/A                              | Title 24, Part 6<br>PV Installed on 50% of Roof Area  | <b>Apartments:</b><br>15% EV2 Installed<br><br><b>Commercial:</b><br>Per Table A5.106.5.3.2<br><br><b>Entire Site:</b><br>Level 3/DC Fast Charger for every 100 spaces | Required in Buildings ≥ 10,000 sq. ft.                 | Meet Mandatory CALGreen, MVGBC Requirements, & Meet the Intent of LEED® Gold |
| Hotel                  | Heat/Cooling, Water Heater, Clothes Dryer, Fireplaces and Fire Pits and Cooking Appliances | N/A                              | Title 24, Part 6<br>PV Installed on 50% of Roof Area  | Per Table A5.106.5.3.2   | Required in Buildings ≥ 10,000 sq. ft.                 | Meet Mandatory CALGreen, MVGBC Requirements & Meet the Intent of LEED® Gold  |
| Commercial             | Heat/Cooling, Water Heater, Clothes Dryer, Fireplaces and Fire Pits and Cooking Appliances | F, H, L Occupancies              | Title 24, Part 6<br>PV Installed on 50% of Roof Area  | Per Table A5.106.5.3.2   | Required in Buildings ≥ 10,000 sq. ft.                 | Meet Mandatory CALGreen, MVGBC Requirements, & Meet the Intent of LEED® Gold |

<sup>1</sup>Fireplaces and fire pits fueled by oil or other nongas- or nonwood-burning appliances, not in direct violation of this code, may be submitted for chief building official consideration per Sections 102.3, 102.3.1 and 102.3.2.

<sup>2</sup>Prewiring is required for future use of electric appliances where natural gas is installed.

<sup>3</sup>Calculation for spaces shall be rounded up to the nearest whole number.

<sup>4</sup>EV Ready shall be provided for all non EV Installed spaces on-site.

<sup>5</sup>Level 3 shall be SAE J1772 (IEC Type 1) or alternative approved by the chief building official.

<sup>6</sup>The most restrictive: (a) Table 101.10 or (b) the appropriate Precise Plan will govern.

**SEC. 8.20.15. - Table 101.11 added.**

Table 101.11 of the 2019 California Green Building Standards Code is amended to read as follows:

**Table 101.11 Mandatory Green Building Requirements for Residential Remodel and Tenant Improvements**

| <b>Project Type</b>   | <b>Energy Requirements</b> | <b>Green Building Standard and Requirement</b>                                     |
|---|----------------------------|--|
| SFR/Duplex<br>Multi-Family<br>Additions and Alterations           | Title 24, Part 6           | Meet Mandatory CALGreen  |
| Mixed Use   | Title 24, Part 6           | Meet Mandatory CALGreen<br><i>As applicable for each component of the project.</i> |
| Nonresidential<br>Tenant Improvements<br>(Includes Hotels/Motels) | Title 24, Part 6           | Meet Mandatory CALGreen  |

**SEC. 8.20.16. - Subsection 101.10.2 amended.**

Subsection 101.10.2 of the 2019 California Green Building Standards Code is amended to read as follows:

**101.10.2 Alternate green building standards.** If an applicant proposes to use an alternate green building standard not included in this code, the applicant must demonstrate that the alternate standard is, at minimum, equivalent to the referenced standard in terms of criteria, scope, and certification process. The chief building official must approve the alternate standard prior to issuing a building permit.

**SEC. 8.20.17. - Subsection 101.10.3 amended.**

Subsection 101.10.3 of the 2019 California Green Building Standards Code is amended to read as follows:

**101.10.3 Certification.** The city does not require projects to be certified by a third-party green building organization unless certification is a condition of approval for a zoning permit. Applicants must demonstrate the project meets the intent of the required standard through documentation and verification consistent with the criteria and documentation process of the respective green building rating system. This includes meeting all mandatory prerequisites and minimum point totals of each category, if required by the rating system.

**SEC. 8.20.18. - Subsection 101.11 amended.**

Subsection 101.11 of the 2019 California Green Building Standards Code is amended to read as follows:

**101.11 Effective use of this code.** The following steps shall be used to establish which provisions of this code are applicable to a specific occupancy:

1. Establish the type of occupancy.
2. Verify which state agency has authority for the established occupancy by reviewing the authorities list in Sections 103 through 106.
3. Once the appropriate agency has been identified, find the chapter which covers the established occupancy.
4. The Matrix Adoption Tables at the beginning of Chapters 4 and 5 identify the mandatory green building measures necessary to meet the minimum requirements of this code for the established occupancy. Occupancies regulated by this code must also comply with the green building requirements included in Chapter 1.
5. Voluntary tier measures are contained in Appendix Chapters A4 and A5. A checklist containing each green building measure, both required and voluntary, is provided at the end of each appendix chapter. Each measure listed in the application checklist has a section number which correlates to a section where more information about the specific measure is available.
6. The application checklist identifies which measures are required by this code and allows users to check off which voluntary items have been selected to meet voluntary tier levels if desired or mandated by a city, county, or city and county.

**SEC. 8.20.19. - Subsection 102.1 amended.**

Subsection 102.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**102.1 Submittal documents.** Construction documents and other data shall be submitted in one (1) or more sets with each application for a permit. Where special conditions exist, the city is authorized to require additional construction documents to be prepared by the applicant or a licensed design professional, depending on the size of the project (see Section 102.4 for details) and may be submitted separately.



When submitting for building permits for a project regulated by this code, the applicant shall submit the following materials:

1. The appropriate completed green building checklist;
2. Project construction documentation (plans and specifications) that verifies incorporation of the design and construction-related credits;
3. A letter of acknowledgement from the applicant, licensed professional or qualified green building professional indicating the project has been designed to achieve the sustainability standards defined in this code and in accordance with the approved green building checklist. The letter shall indicate the number of points the project has been designed to achieve;
4. Any additional documentation such as maps, calculations or product information that would be required by U.S. Green Building Council's Green Building Certification Institute for LEED®; certification or by Build It Green for GreenPoint Rated certification; and
5. Any additional information believed to be relevant by the city in determining that a good-faith effort has been made to comply with this code.

**Exception:** The enforcing agency is authorized to waive the submission of construction documents and other data not required to be prepared by a licensed design professional.

**SEC. 8.20.20. - Subsection 102.2 amended.**

Subsection 102.2 of the 2019 California Green Building Standards Code is amended to read as follows:

**102.2 Information on construction documents.** Construction documents shall be of sufficient clarity to indicate the location, nature and scope of the proposed green building feature and show that it will conform to the provisions of this code, the California Building Standards Code and other relevant laws, ordinances, rules and regulations as determined by the city.

**SEC. 8.20.21. - Subsection 102.3 amended.**

Subsection 102.3 of the 2019 California Green Building Standards Code is amended to read as follows:

**102.3 Hardship or infeasibility exemption.** If an applicant believes circumstances exist that make it a hardship or infeasible to meet the requirements of this code, the applicant may request an exemption. The applicant must still comply with the mandatory measures of the California Green Building Code and can only receive an

exemption from the Mountain View amendments to the code. In applying for an exemption, the burden is on the applicant to show hardship or infeasibility. An exemption will only be granted in unusual circumstances where, due to exceptional characteristics of the structure or property involved, a literal enforcement of this code will result in practical difficulties or unnecessary hardships, provided that no such exception will be contrary to the intent of this code.

**SEC. 8.20.22. - Subsection 102.3.1 amended.**

Subsection 102.3.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**102.3.1 Proof of hardship or infeasibility.** The applicant shall submit a letter indicating the maximum threshold of compliance that is feasible for the project and the circumstances that create a hardship or make it infeasible to comply fully with this code.

**SEC. 8.20.23. - Subsection 102.3.2 amended.**

Subsection 102.3.2 of the 2019 California Green Building Standards Code is amended to read as follows:

**102.3.2 Approval or denial of exemption.** The chief building official will determine if it is infeasible for the project to comply fully with this code and approve an alternative requirement. This alternative requirement can be the amount of green building measures required. For all approved exemptions, the project must continue to comply with the minimum requirements of the 2019 Building Energy Efficiency Standards (Title 24, Part 6) and the mandatory measures of the 2019 California Green Building Standards Code. The applicant will be notified of the final decision by the chief building official.

**SEC. 8.20.24. - Subsection 102.4 amended.**

Subsection 102.4 of the 2019 California Green Building Standards Code is amended to read as follows:

**102.4 Verification.** Documentation of conformance for applicable green building measures shall be provided to the city. Alternate methods of documentation shall be acceptable when the city finds that the proposed alternate documentation is satisfactory to demonstrate substantial conformance with the intent of the proposed green building measure.

**SEC. 8.20.25. - Subsection 102.4.1 amended.**

Subsection 102.4.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**102.4.1 Self-verification.** The burden of proving compliance with this code is on the applicant. The verification professional must provide evidence of adequate green building compliance or documentation to the building inspection division to satisfy the requirements of this code.

**SEC. 8.20.26. - Subsection 102.4.1.1 amended.**

Subsection 102.4.1.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**102.4.1.1 Verification professional.** The applicant or industry professional filing on behalf of the applicant must be the individual who verifies the project complies with the requirements of this code.

1. For residential additions and nonresidential tenant improvements regulated by this code, this individual can be a licensed industry professional, an authorized tenant or the property owner.
2. For all nonresidential and residential new construction projects regulated by this code, this individual must be a qualified green building professional with an industry license, such as an architect or contractor, or a professional with similar qualifications acceptable to the chief building official.

**SEC. 8.20.27. - Subsection 102.4.2 amended.**

Subsection 102.4.2 of the 2019 California Green Building Standards Code is amended to read as follows:

**102.4.2 Noncompliance.** If, as a result of any inspection, the city determines the project does not or is unlikely to comply with the approved plans or green building program, a stop work order shall be issued if the inspector determines that continuation of construction activities will lessen the project's ability to meet the required compliance threshold. The stop work order shall remain in effect until the chief building official determines the project will be brought into compliance with the approved plans and/or verification documents.

**SEC. 8.20.28. - Section 202 amended.**

Section 202 of the 2019 California Green Building Standards Code is amended to add the following definitions:

**ALTERNATE GREEN BUILDING STANDARD.** A private, third-party green building rating system not explicitly referenced in this code that achieves green building goals through a comprehensive checklist of requirements. To use an alternate standard, the applicant must prove it is at least equivalent to the referenced green building standard.

**APPLICANT.** Any entity or any subsequent owner of the site that applies to the city for the applicable permits to undertake any project types regulated by this code.

**AREA OF IMPROVEMENT.** The area (in square feet) where interior building improvements are proposed. Such improvements can include, but are not limited to, painting, installing carpet or flooring, and replacing or upgrading mechanical, electrical, or plumbing systems.

**CITY.** City means the City of Mountain View.

**DC FAST CHARGER.** A DC Fast charger is equivalent to an EV Level 3 charging station.

**ENFORCING AGENCY.** The community development department in the City of Mountain View as specified by this code.

**EV (ELECTRIC VEHICLE) CAPABLE.** A parking space linked to a listed electrical panel with sufficient capacity to provide at least provide at least 110/120 volts and 15/20 amperes to the parking space. Conduit is installed to the parking space, and building electrical system has ample capacity to serve future load. An electrician would be required to complete the circuit before charging is possible.

**EV (ELECTRIC VEHICLE) INSTALLED—LEVEL 1.** Capable of charging at 120V, 20A. This is equivalent of a standard home outlet and can charge a typical car to run forty (40) miles of range in an eight (8) hour/overnight charge.

**EV (ELECTRIC VEHICLE) INSTALLED—LEVEL 2.** Capable of charging at 240V, 30 to 40A. This is the service capacity typically used for larger appliance loads in homes and can charge four times faster than Level 1 chargers and can charge a typical car to run up to one hundred eighty (180) miles during an eight (8) hour charge.

**EV (ELECTRIC VEHICLE) INSTALLED—LEVEL 3.** Capable of charging at 240V, 30 to 40A. As applied in this code, a Level 3 shall be SAE J1772 (IEC Type 1) or alternative approved by the chief building official.

**EV (ELECTRIC VEHICLE) READY.** A parking space provided with all power supply and associated outlet, electrical panel labeled EV Ready and positioned near where people will park; charger not installed.

**ELECTRIC VEHICLE CHARGING STATION (EVCS):** A parking space that includes installation of electric vehicle supply equipment (EVSE), Level 1, 2 or 3.

**FOR-PROFIT KITCHEN.** A commercial kitchen in a restaurant, not established to provide goods to an office building or campus; and that is open to the general public during all business hours of operation.

**GREEN POINT RATED (GPR).** Refers to a residential green building rating system developed by Build It Green. Projects can use any of the adopted GPR checklists that most appropriately apply to the project type proposed.

**GREEN BUILDING CERTIFICATION INSTITUTE (GBCI™).** Oversees and administers the building certifications and professional designations for the U.S. Green Building Council's LEED®; Green Building Rating Systems™.

**LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED®).** Refers to a green building rating system developed by the U.S. Green Building Council for residential and nonresidential projects. Projects can use any of the adopted LEED®; checklists that most appropriately apply to the project type proposed.

**MEET THE INTENT.** To demonstrate compliance with the green building requirements of LEED®; or GPR without formally submitting documentation to the U.S. Green Building Council's Green Building Certification Institute or Build It Green for verification and certification. The applicant must follow the approaches and procedures in the guidebook or reference guides for respective rating systems and submit the required documentation and verification materials as outlined in Section 102 of this code to the community development department. This includes meeting all mandatory prerequisites and minimum point totals of each category, if required per the rating system.

**MIXED-USE.** The construction of a building or buildings that include both commercial and residential uses.

**NONRESIDENTIAL BUILDING.** Any building constructed or occupied for a use other than residential, which may include, but is not limited to, commercial or hotel uses.

**PROJECT.** Any proposed development that is regulated by this code.

**QUALIFIED GREEN BUILDING PROFESSIONAL.** A licensed professional, such as an architect or contractor, trained through the Green Building Certification Institute as a LEED® AP; or through Build It Green as a certified green building professional, or similar qualifications if acceptable to the chief building official.

**SELF-VERIFICATION.** Verification by the applicant or a qualified green building professional that the project has met the standards as indicated for the project type set forth in this code.

**SQUARE FEET (GROSS).** The gross square footage of a structure includes all floor area enclosed within the walls of the structure (measured from the outside perimeter of the wall).

**TENANT IMPROVEMENTS.** Any owner or authorized agent who intends to enlarge, alter, or change the occupancy of a building or structure, or to erect, enlarge, alter, or convert any electrical, gas, mechanical, or plumbing system, the installation of which is regulated by the California Building Code, or to cause any such work to be done, shall obtain the required permit and must comply with the requirements included in this code.

**ZONING PERMIT.** Any discretionary permit approval from the planning division that includes conditions of approval.

**SEC. 8.20.29. - Subsection 303.1.1 amended.**

Subsection 303.1.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**303.1.1 Tenant improvements.** The provisions of this code shall apply to the applicable tenant or occupant improvements to a project.

**SEC. 8.20.30. - Subsection 4.106.2 amended.**

Subsection 4.106.2 of the 2019 California Green Building Standards Code is amended to read as follows:

**4.106.2 Stormwater drainage and retention during construction.** Projects which disturb less than one (1) acre of soil and are not part of a larger common plan of development which in total disturbs one (1) acre or more, shall manage stormwater drainage during construction. In order to manage stormwater drainage during construction, one or more of the following measures shall be implemented to prevent flooding of adjacent property, prevent erosion, and retain soil runoff on the site.

1. Retention basins of sufficient size shall be utilized to retain stormwater on the site.

2. Where stormwater is conveyed to a public drainage system, collection point, gutter or similar disposal method, water shall be filtered by use of a barrier system, wattle or other method approved by the enforcing agency.

3. Stormwater pollutant control measures must be installed at construction sites year round, in compliance with Section 35.32.10.1(T) of the Mountain View city code. The stormwater pollutant control measures listed in the ordinance include erosion control, run-on and runoff control, sediment control, active treatment (as appropriate), good site management, and nonstormwater management through all phases of construction until the site is fully stabilized by landscaping or the installation of permanent erosion control measures.

**SEC. 8.20.31. - Subsection 4.106.4.1 amended.**

Section 4.106.4.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**4.106.4.2 New one- and two-family dwellings and townhomes with private garages.** For each dwelling unit, an EV2 Ready and EV1 Installed shall be provided. Where three (3) or more dwellings constructed part of a development and guest parking is provided as part of the project site, the following shall be provided for guest parking: fifteen (15) percent of spaces provided will be EV2 Installed per Table 101.10, the remaining eighty-five (85) percent of guest parking shall be EV Ready; and a Level 3/DC Fast Charger shall be provided for every one hundred (100) spaces on-site per Table 101.10. Calculations for the required number of EV spaces shall be rounded up to the nearest whole number.

**SEC. 8.20.32. - Subsection 4.106.4.2 amended.**

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

**4.106.4.2 New multi-family dwellings.** Where three (3) or more multi-family dwelling units are constructed on a building site, an EV2 Installed space will be provided for fifteen (15) percent of the overall parking spaces; the remaining spaces to be EV Ready; a Level 3/DC Fast Charger shall be provided for every one hundred (100) spaces on site per Table 101.10. Calculations for the required number of EV spaces shall be rounded up to the nearest whole number per Table 101.10.

**Notes:**

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

1. Deleted.

**SEC. 8.20.33. - Subsection 4.106.4.2.5 amended.**

Section 4.106.4.2.5 of the 2019 California Green Building Standards Code is amended to read as follows:

**4.106.4.2.5 Identification.** The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for EV charging purposes in accordance with the California Electrical Code.

**Notes:**

1. The California Department of Transportation adopts and publishes the "California Manual on Uniform Traffic Control Devices (California MUTCD)" to provide uniform standards and specifications for all official traffic control devices in California. Zero Emission Vehicle Signs and Pavement Markings can be found in the New Policies and Directives No. 13-01. Website: <http://www.dot.ca.gov/trafficops/policy/13-01.pdf>.
2. See Vehicle Code Section 22511 for EV charging space signage in off-street parking facilities and for use of EV charging spaces.
3. The Governor's Office of Planning and Research (OPR) published a "Zero-Emission Vehicle Community Readiness Guidebook" which provides helpful information for local governments, residents and businesses. Website: [http://opr.ca.gov/docs/ZEV\\_Guidebook.pdf](http://opr.ca.gov/docs/ZEV_Guidebook.pdf).

**SEC. 8.20.34 - Subsection 4.410.2 amended.**

Subsection 4.410.2 of the 2019 California Green Building Standards Code is amended to read as follows:

**4.410.2 Recycling by occupants.** When five (5) or more dwellings units are constructed on a building site, provide readily accessible area(s) that serves all building and residents on the site and are identified for the depositing, storage and collection of nonhazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste and metals, or meet a lawfully enacted local recycling ordinance, if more restrictive. This area(s) must be in the same location as the area(s) for depositing trash.

**SEC. 8.20.35. - Subsection 4.503.1 amended.**

Subsection 4.503.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**4.503.1 General.** Any installed gas fireplace shall be a direct-vent, sealed-combustion type. Any installed wood stove or pellet stove shall comply with U.S. EPA



New Source Performance Standards (NSPS) emission limits as applicable and shall have a permanent label indicating they are certified to meet the emissions limits Wood stoves, pellet stoves and fireplaces shall also comply with applicable local ordinances. Mountain View City Code Chapter 8, Article 1, Division VI shall be referenced for wood-burning appliances.

**SEC. 8.20.36. - Subsection 5.106.1 amended.**

Subsection 5.106.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**5.106.1 Stormwater sediment and erosion control plan.** For newly constructed projects of less than one (1) acre, develop and implement a stormwater sediment and erosion control plan that has been designed specific to its site. The stormwater sediment and erosion control plan shall be developed to provide equivalent protection to projects regulated by the state stormwater NPDES construction permit (greater than one (1) acre of disturbed land), and Sec. 35.32.10.1(T) in accordance with the Mountain View city code. The stormwater pollutant control measures that shall be included in the plan are erosion control, run-on and runoff control, sediment control, advanced treatment (as appropriate), good site management and nonstormwater management through all phases of construction until it is fully stabilized by landscaping or the installation of permanent erosion control measures.

**Note:** No state permit is required, but construction best management practices (BMP) as approved by the City of Mountain View shall be followed. BMP include, but are not limited to, the following:

1. Erosion and sediment control BMP:
  - a. Scheduling construction activity;
  - b. Preservation of natural features, vegetation and soil;
  - c. Drainage swales or lined ditches to control stormwater flow;
  - d. Mulching or hydroseeding to stabilize soils;
  - e. Erosion control covers to protect slopes;
  - f. Protection of storm drain inlets (gravel bags or catch basin inserts);
  - g. Perimeter sediment control (perimeter silt fence, fiber rolls);
  - h. Sediment trap or sediment basin to retain sediment on-site;
  - i. Stabilized construction exits;

j. Wind erosion control.

2. Housekeeping BMP:

- a. Material handling and waste management;
- b. Building materials stockpile management;
- c. Management of washout areas (concrete, paints, stucco, etc.);
- d. Control of vehicle/equipment fueling to contractor's staging area;
- e. Vehicle and equipment cleaning performed off-site;
- f. Spill prevention and control.

**SEC. 8.20.37 - Subsection 5.106.2 amended. Stormwater pollution prevention for projects that disturb one (1) or more acres of land.**

Section 5.106.2 of the 2019 California Green Building Standards Code is amended to read as follows:

**5.106.2 Stormwater pollution prevention for projects that disturb one (1) or more acres of land.** Projects that will disturb greater than one (1) acre of land are required to obtain coverage under the State of California Construction General Permit prior to issuance of a demolition permit or a grading permit from the city. A "Notice of Intent" (NOI) and "Stormwater Pollution Prevention Plan" (SWPPP) shall be prepared and submitted to the state, and proof of coverage under the Construction General Permit shall be submitted to the city.

**SEC. 8.20.38 - Subsection 5.106.3 added. Postconstruction stormwater control requirements.**

Section 5.106.3 of the 2019 California Green Building Standards Code is added to read as follows:

**5.106.3 Postconstruction stormwater control requirements.** Postconstruction stormwater controls are required for certain projects as defined and described in Provision C.3 of the Municipal Regional Stormwater NPDES Permit, and Sec. 35.4 of the Mountain View city code.

**SEC. 8.20.39. - Subsection 5.106.5.2 amended. Designated parking for clean-air vehicles.**

Section 5.106.5.2 of the 2019 California Green Building Standards Code is amended to read as follows:

**5.106.5.2 Designated parking for clean-air vehicles.** New projects shall meet the requirements designated on Table A5.106.5.3.2, additions or alterations that add ten (10) or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicle will follow Table 5.106.5.2.

**SEC. 8.20.40. - Subsection 5.106.5.3 amended.**

Section 5.106.5.3 of the 2019 California Green Building Standards Code is amended to read as follows:

**5.106.5.3 Electric vehicle (EV) charging.** [N] Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate installation of electric vehicle supply equipment (EVSE). EVSE shall be installed in accordance with the California Building Code, the California Electrical Code and as follows:

**SEC. 8.20.41. - Subsection 5.106.5.3.1 amended.**

Section 5.106.5.3.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**5.106.5.3.1 Single charging space requirements.** [N] When only a single charging space is required per Table A5.106.5.3.2, the EVSE shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:

1. The type and location of the EVSE.
2. A listed raceway capable of accommodating a 208-/240-volt dedicated branch circuit.
3. The raceway shall not be less than trade size one (1) inch.
4. The raceway shall originate at a service panel or subpanel servicing the area, and shall terminate in close proximity to the proposed location of the charging equipment and into a listed suitable cabinet, box, enclosure or equivalent.
5. The service panel or subpanel shall have sufficient capacity to accommodate a minimum forty (40) ampere dedicated branch circuit of the installation of the EVSE.

**SEC. 8.20.42. - Subsection 5.106.5.3.2 amended.**

Section 5.106.5.3.2 of the 2019 California Green Building Standards Code is amended to read as follows:

**5.106.5.3.2 Multiple charging space requirements.** [N] When multiple charging spaces are required per Table A5.106.5.3.2, the EVSE shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:

1. The type and location of the EVSE.
2. The raceway(s) shall originate at a service panel or subpanel(s) servicing the area, and shall terminate in close proximity to the proposed location of the charging equipment and into a listed suitable cabinet(s), box(es), enclosure(s) or equivalent.
3. Plan design shall be based upon forty (40) ampere minimum branch circuits.
4. Electrical calculations shall substantiate the design of the electrical system, to include the rating of the equipment and any on-site distribution transformers and have sufficient capacity to simultaneously charge all required EVs at its full rated amperage.
5. The service panel or subpanel(s) shall have sufficient capacity to accommodate the required number of dedicated branch circuit(s) of the installation of the EVSE.

**SEC. 8.20.43. - Subsection 5.106.5.3.3 amended.**

Section 5.106.5.3.3 of the 2019 California Green Building Standards Code is amended to read as follows:

**5.106.5.3.3 EV charging space calculation.** [N] Table A5.106.5.3.2 shall be used to determine if single or multiple charging space requirements apply for the installation of EVSE.

**Exception:** On a case-by-case basis where the local enforcing agency has determined EV charging and infrastructure is not feasible based upon one (1) or more of the following conditions:

1. Where there is insufficient electrical supply.
2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3.

TABLE A5.106.5.3.2

| Total Number of Actual Parking Spaces | Number of Required EV Charging Spaces <sup>1</sup> | Type of EV Charger               |
|---------------------------------------|--|----------------------------------|
| 0-9                                   | 1  | EV2 Installed <sup>2</sup>       |
| 10 or more                            | 15%  | EV2 Installed <sup>2&amp;3</sup> |
| 100 or more                           | 1 for every 100 spaces on-site <sup>4</sup>        | Level 3/<br>DC Fast Charger      |

<sup>1</sup>Calculation for spaces shall be rounded up to the nearest whole number.  
<sup>2</sup>EV Ready shall be provided for all non EV Installed spaces on-site.  
<sup>3</sup>SAE J1772 (IEC Type 1) or alternative approved by the chief building official.  
<sup>4</sup>Each Installed Level 3 Charger shall be included in the 15% required installed spaces.

**SEC. 8.20.44. - Subsection 5.106.5.3.4 amended.**

Section 5.106.5.3.4 of the 2019 California Green Building Standards Code is amended to read as follows:

**5.106.5.3.4 Identification.** [N] The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for EV charging purposes in accordance with the California Electrical Code.

**SEC. 8.20.45. - Subsection 5.305.1 amended.**

Subsection 5.305.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**5.305.1.1 Recycled water supply systems.** Recycled water supply systems shall be installed in accordance with Sections 5.305.1.1, 5.305.1.2, the California Plumbing Code and Chapter 35, Article V—Recycled Water for Irrigation of the Mountain View city code.

**SEC. 8.20.46. - Subsection 5.503.1 amended.**

Subsection 5.503.1 of the 2019 California Green Building Standards Code is amended to read as follows:

**5.503.1 General.** Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed wood stove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Wood stoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

Mountain View city code Chapter 8, Article 1, Division IV shall be referenced for wood-burning appliances.

**SEC. 8.20.47. - Subsection 5.504.4.3.2 amended.**

Subsection 5.504.4.3.2 of the 2019 California Green Building Standards Code is amended to read as follows:

**5.504.4.3.2 Verification.** Verification of compliance with this section shall be provided at the request of the City of Mountain View. Documentation may include, but is not limited to, the following:

1. Manufacturer's product specification.
2. Field verification of on-site product containers.

**DIVISION IV. DANGEROUS BUILDINGS CODE.**

**SEC. 8.21 - Abatement of dangerous buildings.**

**SEC. 8.21.1. - Uniform Code for the Abatement of Dangerous Buildings adopted – Short title.**

The Uniform Code for the Abatement of Dangerous Buildings, 1997 edition, first printing, promulgated by the International Conference of Building Officials, 5360 Workman Mill Road, Whittier, California, 90601, which provides certain procedures for the abatement of buildings deemed to be a danger to the life, limb, health, property, safety and welfare of the general public is adopted and by reference made a part of this municipal code with the same force and effect as though set out herein in full pages except the Preface and Codes and Related Publications and shall be known as the Mountain View Dangerous Building Code. One (1) copy of the Uniform Code for the Abatement of Dangerous Buildings is on file and open to public inspection in the building inspection office.

**SEC. 8.21.2 - Section 103 amended – Alterations, additions and repairs.**

**Section 103. Alterations, additions and repairs.** All buildings or structures which are required to be repaired under the provisions of this code shall be subject to the provisions of the adopted California Building Code series.

**SEC. 8.21.3 - Subsection 201.2 amended – Inspections.**

**Subsection 201.2. Inspections.** The chief building official is hereby authorized to make such inspections and take such actions as may be required to enforce the provisions of this code. In this regard, the chief building official may designate the fire

chief, fire marshal or any deputy fire marshal to assist in carrying out the duties of this Code.

**SEC 8.21.4 - Subsection 205.1 amended – General.**

**Subsection 205.1 - General.** Any applicant for a building permit who is in disagreement with the chief building official's interpretation of any provision of this code, or any applicant for a building permit who has been refused issuance of such permit, may appeal the chief building official's interpretation or refusal to issue said permit to the city council of the city, which shall serve as the board of appeals. All such appeals shall be filed within ten (10) business days after the date the chief building official renders an interpretation of any provision of this code or refuses to issue said permit. All appeals shall be in writing, shall be filed with the city clerk, shall state the ground or grounds of appeal and shall be accompanied by a nonrefundable fee of two hundred fifty dollars (\$250). Within sixty (60) calendar days after an appeal is filed, or as soon thereafter as possible, the appeal shall be heard by the city council. The city clerk shall give at least five (5) calendar days prior written notice to the applicant of the date, time and place for the hearing on said appeal. The applicant shall be entitled to present any oral and/or written evidence at said hearing. Any hearing held pursuant to this section may be continued from time to time by the city council. The hearing shall be informal and shall not require compliance with the rules of evidence. At the hearing, the city council shall hear and consider all relevant evidence. Within twenty-one (21) calendar days after the hearing is closed, the city council shall announce its decision. All decisions of the city council on any appeal shall be final. Failure of any person to file an appeal in accordance with the provisions of this section shall constitute a waiver of the right to an administrative hearing and a failure to exhaust administrative remedies.

**SEC 8.21.5 - Subsection 205.2 amended – Limitations of authority.**

**Subsection 205.2. Limitations of authority.** The city council shall have no authority relative to interpretation of the administrative provisions of this code nor shall the city council be empowered to waive requirements of this code.

**SEC. 8.21.6 - Section 301 amended – Definitions.**

**Section 301. Definitions.** The Uniform Code for the Abatement of Dangerous Buildings is hereby amending the following definitions:

a. The term "Building Code" is the California Building Code promulgated International Code Council as adopted by this jurisdiction;

b. The term "Housing Code" is the California Residential Code and International Property Maintenance Code promulgated by the International Code Council, as adopted by this jurisdiction;

c. The term "board of appeals" and "board" in each and every place where said terms are used in this code are amended to read "city council";

d. The terms "hearing examiner" and "examiner" in each and every place wherein said terms are used in this code, are hereby deleted; and

e. The term "repair and demolition fund" in each and every place wherein said term is used in this code is amended to read "development services fund of the City of Mountain View."

**SEC. 8.21.7 - Sections 601 - 605 amended - Procedures for Conduct of Hearing Appeals.**

**Sections 601 through 605 are hereby deleted in their entirety and replaced with the following:**

**Section 601 - General procedure for appeals.** Any applicant for a building permit who is in disagreement with the chief building official's interpretation of any provision of this code, or any applicant for a building permit who has been refused issuance of such permit, may appeal the chief building official's interpretation or refusal to issue said permit to the city council of the city, which shall serve as the board of appeals. All such appeals shall be filed within ten (10) business days after the date the chief building official renders an interpretation of any provision of this code or refuses to issue said permit. All appeals shall be in writing, shall be filed with the city clerk, shall state the ground or grounds of appeal and shall be accompanied by a nonrefundable fee of two hundred fifty dollars (\$250). Within sixty (60) calendar days after an appeal is filed, or as soon thereafter as possible, the appeal shall be heard by the city council. The city clerk shall give at least five (5) calendar days prior written notice to the applicant of the date, time, and place for the hearing on said appeal. The applicant shall be entitled to present any oral and/or written evidence at said hearing. Any hearing held pursuant to this section may be continued from time to time by the city council. The hearing shall be informal and shall not require compliance with the rules of evidence. At the hearing, the city council shall hear and consider all relevant evidence. Within twenty-one (21) calendar days after the hearing is closed, the city council shall announce its decision. All decisions of the city council on any appeal shall be final. Failure of any person to file an appeal in accordance with the provisions of this section shall constitute a waiver of the right to an administrative hearing and a failure to exhaust administrative remedies.



**SEC.8.21.8 - Section 802 deleted – Repair and demolition fund.**

**DIVISION V. SAFETY ASSESSMENT PLACARDS**

**SEC. 8.22 - Safety assessment placards.**

**SEC. 8.22.1 - Intent.**

This section establishes standard placards to be used to indicate the condition of a structure for continued occupancy. The chapter further authorizes the chief building official and his or her authorized representatives to post the appropriate placard at each entry point to a building or structure upon completion of a safety assessment.

**SEC. 8.22.2 - Application of provisions.**

The provisions of this chapter are applicable to all buildings and structures of all occupancies regulated by the City of Mountain View, County of Santa Clara. The city council may extend the provisions as necessary.

**SEC. 8.22.3 - Definitions.**

For the purpose of the section, the following words, phrases and definitions shall have the meaning set forth herein:

- a) "Authorized safety evaluator" means an authorized city representative who is a certified post-disaster safety assessment program (SAP) evaluator.
- b) "Chief building official" means the chief building official of the City of Mountain View and/or his or her authorized designee.
- c) "Person" means and includes any individual, partnership, corporation, limited liability company, association or other organization or entity.
- d) "Safety assessment" is a visual, nondestructive examination of a building or structure for the purpose of determining the condition for continued occupancy.

**SEC. 8.22.4 - Safety assessment.**

The chief building official and/or an authorized safety evaluator are hereby authorized to enter any building or structure within the City of Mountain View at reasonable times to conduct a safety assessment pursuant to this chapter. If such building or structure is occupied, the chief building official and/or authorized safety evaluator shall present his or her credentials to the occupant and request entry. If such building or structure is unoccupied, the chief building official and/or authorized safety evaluator shall first make a reasonable effort to locate the owner or other persons having charge or control of the building or structure and request entry. If

entry is not authorized, the chief building official and/or authorized safety evaluator shall have recourse to the remedies provided by law to secure entry.

#### SEC. 8.22.5 - Placards.

a) After conduction a safety assessment of a building or structure, the chief building official and/or authorized safety evaluator shall make a determination as to whether the building or structure is safe for occupancy, safe for restricted use, or unsafe for occupancy. Once the chief building official and/or authorized safety evaluator makes such determination, he or she shall place or cause to be placed at each entry point of the building or structure a placard indicating its conditions for continued occupancy.

b) Based upon the chief building official's and/or authorized safety evaluator's determination, one (1) of three (3) placards shall be placed at each entry point of a building or structure. The following are verbal descriptions of the three (3) types of placards to be used to designate the condition and permissible continued occupancy of buildings or structures as follows:

1) "INSPECTED—Lawful Occupancy Permitted" is to be posted on any building or structure wherein no apparent structural hazard has been found. This placard is not intended to mean that there is no damage to the building or structure.

2) "RESTRICTED USE" is to be posted on each building or structure that has been damaged wherein the damage has resulted in some form of restriction to the continued occupancy. The individual who posts this placard will note in general terms the type of damage encountered and will clearly and concisely note the restrictions on continued occupancy.

3) "UNSAFE—Do Not Enter or Occupy" is to be posted on each building or structure that has been damaged such that continued occupancy poses a threat to life safety. Buildings or structures posted with this placard shall not be entered under any circumstance except as authorized in writing by the chief building official, or his or her authorized representative and/or authorized safety evaluator. Safety assessment teams shall be authorized to enter these buildings at any time. This placard is not to be used or considered as a demolition order. The individual who posts this placard will note in general terms the type of damage encountered.

c) The ordinance number, and the address and phone number of the City of Mountain View community development department shall be permanently affixed to each placard.

**SEC. 8.22.6 - Enforcement.**

City building inspectors, code enforcement officers, and the city's police department are authorized to enforce the restrictions identified on a placard in any manner authorized by law, including, but not limited to, the abatement provisions set forth in Chapter 8 of the city code, to cause the premises to be vacated and secured to ensure conformance with the placard restrictions.

**SEC. 8.22.7 - Violation.**

a) It is unlawful for any person to enter, occupy or use a building or structure, or portion thereof, at a time or in a manner that does not conform to the restrictions identified on a placard, except as follows:

1) A person may enter a building or structure, or portion thereof, with the prior written authorization of the chief building official and/or authorized safety evaluator. Such entry must be in full conformance with the restrictions set forth in the written authorization.

b) It is unlawful for any person, other than the chief building official and/or authorized safety evaluator, to remove, alter, deface or cover a placard that has been posted on a building or structure.

c) Any person, firm or corporation violating any of the provisions of this code shall be deemed guilty of a misdemeanor, and each such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation of any of the provisions of this code is committed, continued or permitted, and upon conviction of any such violation such person shall be punishable as set forth in the city charter.

**SEC. 8.23 - 8.24 - Reserved.**

**DIVISION VI. - WOOD-BURNING APPLIANCES**

**SEC. 8.25. - Wood-burning appliances.**

**SEC. 8.25.1. - Definitions.**

For the purpose of this section, the following words, phrases and definitions shall have the meaning set forth herein:

- a. "Bay Area Air Quality Management District" or BAAQMD means the air quality agency for the San Francisco Bay Area established pursuant to California Health and Safety Code Section 40200.
- b. "EPA" means United States Environmental Protection Agency.

- c. "EPA-certified wood heater" means any wood heater that meets the standards in Title 40, Part 60, Subpart AAA, Code of Federal Regulations or such successor regulation in effect at the time of installation and is certified and labeled pursuant to those regulations.
- d. "Fireplace" means any permanently installed masonry or factory-built wood-burning appliance, except a pellet-fueled wood heater, designed to be used with an air-to-fuel ratio greater than or equal to thirty-five (35) to one (1).
- e. "Gas fireplace" means any device designed to burn natural gas in a manner that simulates the appearance of a wood-burning fireplace.
- f. "Pellet-fueled wood heater" means any wood-burning appliance that operates exclusively on wood pellets.
- g. "Solid fuel" means wood or any other nongaseous or nonliquid fuel.
- h. "Wood-burning appliance" means fireplace, wood heater or pellet-fired wood heater or any similar device burning any solid fuel used for aesthetic or space-heating purposes.

#### **SEC. 8.25.2. - Residential installations.**

All wood-burning appliances installed in new residential units or wood-burning appliances being added to or replacing wood-burning appliances in existing residential units after April 1, 2002 shall comply with the provisions of this section.

#### **SEC. 8.25.3. - Commercial installations.**

All wood-burning appliances installed in new commercial buildings or wood-burning appliances being added to or replacing wood-burning appliance in existing commercial buildings after April 1, 2002 shall comply with this section. Commercial buildings shall include, but not be limited to, live-work units, offices, hotels, motels and restaurants.

#### **SEC. 8.25.4. - Compliance requirements.**

A wood-burning appliance shall comply with this section if:

- a. The wood-burning appliance is reconstructed;
- b. There are any additions, alterations or repairs to the wood-burning appliance exceeding two thousand dollars (\$2,000);
- c. The chief building official shall have the final authority to determine whether an addition, repair or alteration must comply with this section.

**SEC. 8.25.5. - Gas fireplaces.**

Gas fireplaces shall be exempt from this section. However, the conversion of a gas fireplace to burn wood shall constitute the installation of a wood-burning appliance and shall be subject to the requirements of Sec. 8.19.2 and 8.19.3.

**SEC. 8.25.6. - Exemptions.**

- a. No person shall install a wood-burning appliance unless it is one (1) of the following:
  - 1. A pellet-fueled wood heater; or
  - 2. An EPA-certified wood heater; or
  - 3. A fireplace or emission reduction device certified by the EPA or a fireplace or emission reduction device certified by an EPA-accredited laboratory as being compliant with the Northern Sonoma County Air Pollution Control District standards for fireplaces, using that district's testing protocol for fireplaces.
- b. The following additions, alterations and repairs shall be exempt from complying with this section:
  - 1. Minor repairs such as damper repairs, firebox repairs, seismic bracing and/or flue liner replacement.
  - 2. All repairs to a masonry fireplace that do not include repair or replacement of the fireplace footing.
  - 3. Wood-burning appliances installed in restaurants and commercial kitchens for cooking purposes.

**SEC. 8.25.7. - Certification.**

Any person who plans to install a wood-burning appliance must submit documentation to the chief building official with the building permit application demonstrating that the appliance is a pellet-fueled wood heater, EPA-certified wood heater or certified by an EPA-accredited laboratory as meeting the Northern Sonoma County Air Pollution Control District standards for fireplaces.

**DIVISION VII. EXPEDITED PERMIT PROCESS FOR ELECTRIC VEHICLE CHARGING STATIONS**

**SEC. 8.26. - Expedited permit process for electric vehicle charging stations.**

The purpose of this chapter is to adopt an expedited, streamlined electric vehicle charging system permitting process that complies with AB 1236 and Government Code

Section 65850.7 to achieve timely and cost-effective installations of electric vehicle charging station systems.

**SEC 8.26.1 - Definitions.**

The following words and phrases as used in this section are defined as follows:

a. "Electronic submittal" means the utilization of one (1) or more of the following:

1. E-mail;
2. The Internet;
3. Facsimile.

b. "Electric vehicle charging station" or "charging station" means:

Any level of electric vehicle supply equipment station that is designed and built in compliance with Article 625 of the California Electrical Code, as it reads on the effective date of this section, and delivers electricity from a source outside an electric vehicle into a plug-in electric vehicle.

**SEC. 8.26.2 - Electric vehicle charging station permitting process.**

- a. The chief building official is authorized and directed to develop and adopt a checklist, which shall be published on the city website, of all requirements with which electric vehicle charging stations shall comply to be eligible for expedited review. The applicant shall submit the permit application and associated documentation to the city together with any required permit processing, plan review and inspection fees. Application submittal may be made in person or electronically.
- b. The chief building official shall determine the completion of an application. Upon confirmation by the chief building official of the application and supporting documentation being complete and meeting the requirements of the checklist, the chief building official shall approve the application and issue all required permits or authorizations. If an application is deemed incomplete, the chief building official shall issue a written correction notice detailing all deficiencies in the application and any additional information required to be eligible for expedited permit issuance.
- c. For electric vehicle charging stations eligible for expedited review, only one (1) inspection shall be required, which shall be done in a timely manner. If an electric vehicle charging station fails inspection, a subsequent inspection is authorized.

SEC. 8.27 - 8.28. Reserved.

**DIVISION VIII. SMALL RESIDENTIAL ROOFTOP SOLAR ENERGY SYSTEM REVIEW PROCESS**

**SEC. 8.29. - Small residential rooftop solar energy system review process.**

**SEC. 8.29.1. - Definitions.**

The following words and phrases as used in this section are defined as follows:

a. "Electronic submittal" means the utilization of one (1) or more of the following:

1. E-mail;
2. The Internet;
3. Facsimile.

b. "Small residential rooftop solar energy system" means all of the following:

1. A solar energy system that is no larger than ten (10) kilowatts alternating current nameplate rating or thirty (30) kilowatts thermal.
2. A solar energy system that conforms to all applicable state fire, structural, electrical and other building codes as adopted or amended by the city and (paragraph (iii) of subdivision (c) of Sec. 714 of the Mountain View City Code, as such section or subdivision may be amended, renumbered or redesignated from time to time).
3. A solar energy system that is installed on a single or duplex family dwelling.
4. A solar panel or module array that does not exceed the maximum legal building height as set forth in the Mountain View City Code Sec. 36.10.25.

c. "Solar energy system" has the same meaning set forth in paragraphs (1) and (2) of subdivision (a) of Sec. 801.5 of the Mountain View City Code, as such section or subdivision may be amended, renumbered or redesignated from time to time.

d. "Specific, adverse impact" means a significant, quantifiable, direct and unavoidable impact, based on objective, identified and written public health or safety standards, policies or conditions as they existed on the date the application was deemed complete.

**SEC. 8.29.2. - Purpose.**

The purpose of this division is to adopt an expedited, streamlined permitting process for small residential rooftop solar energy systems that complies with AB 2188 (Chapter 521, Statutes 2014), Civil Code Section 714 and Government Code Section 65850.5.

**SEC. 8.29.3. - Applicability.**

This division applies to the permitting of small residential rooftop solar energy systems in the city when the applicant selects the expedited streamlined permitting process pursuant to AB 2188. Applications submitted pursuant to the city's one-stop process are not subject to the following provisions.

**SEC. 8.29.4. - Solar energy system requirements.**

- a. All solar energy systems shall meet applicable health and safety standards and requirements imposed by the state and the city.
- b. Solar energy systems for heating water in single-family residences and for heating water in commercial or swimming pool applications shall be certified by an accredited listing agency as defined by the California Plumbing and Mechanical Code.
- c. Solar energy systems for producing electricity shall meet all applicable safety and performance standards established by the California Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the Public Utilities Commission regarding safety and reliability.

**SEC. 8.29.5. - Applications and required documents.**

- a. The chief building official shall develop and adopt a checklist of all requirements with which small rooftop solar energy systems shall comply to be eligible for expedited review. The small residential rooftop solar system permit process, standard plans and checklist shall substantially conform to recommendations for expedited permitting contained in the most current version of the California Solar Permitting Guidebook adopted by the Governor's Office of Planning and Research.
- b. The checklist and all documents required for the submission of an expedited solar energy system application shall be published on the city's Internet website.
- c. The applicant may submit the permit application and associated documentation to the city's building inspection division by personal, mailed, or electronic submittal, together with any required permit processing and inspection fees. In the case of



- g. If a use permit is required, the chief building official may deny an application for the use permit if the chief building official makes written findings based upon substantive evidence in the record that the proposed installation would have a specific, adverse impact upon public health or safety and there is no feasible method to satisfactorily mitigate or avoid, as defined, the adverse impact. Such findings shall include the basis for the rejection of the potential feasible alternative for preventing the adverse impact. Such decisions may be appealed to the city council.
- h. Any condition imposed on an application shall be designed to mitigate the specific, adverse impact upon health and safety at the lowest possible cost.
- i. "A feasible method to satisfactorily mitigate or avoid the specific, adverse impact" includes, but is not limited to, any cost-effective method, condition, or mitigation imposed by the city on another similarly situated application in a prior successful application for a permit. The city shall use its best efforts to ensure that the selected method, condition, or mitigation meets the conditions of subparagraphs (A) and (B) of paragraph (1) of subdivision (d) of section 714 of the Mountain View City Code defining restrictions that do not significantly increase the cost of the system or decrease its efficiency or specified performance.

**SEC. 8.29.7 - Fees.**

Permit and plan check fees shall be set forth by city council resolution or ordinance.

**ARTICLE II. - PLUMBING CODE**

**SEC. 8.30. - 2019 California Plumbing Code.**

**SEC. 8.30.1. - 2019 California Plumbing Code adopted.**

The California Plumbing Code, 2019 edition, first printing, including Appendices A, D and I, based on the 2018 Uniform Plumbing Code, promulgated by the International Association of Plumbing and Mechanical Officials Association, 4755 East Philadelphia Street, Ontario, California, 91761-2816, which regulates the erection, installation, alteration, repair, relocation, removal, replacement, conversion, use and maintenance of plumbing, gas, drainage systems, and other similar work in order to provide minimum requirements and standards for the protection of the public health, safety and welfare; is adopted and by this reference made a part of this municipal code with the same force and effect as though set out herein in full. One (1) copy of the California Plumbing Code is on file for public inspection in the building inspection office.

**SEC. 8.30.2. - Subsection 101.1 amended – Administration.**

Subsection 101.1 of the California Plumbing Code is amended to read as follows:

**101.1. Title.** This document shall be known as the “California Plumbing Code” and may be cited as such and will be refer to herein as “this code.” Administrative provisions of the California Plumbing Code are referenced to the California Building Code, Chapter 1, Division II for provisions.

**SEC. 8.30.3. - Subsection 107.1 amended – Procedure for appeals.**

Subsection 107.1 of the California Plumbing Code is added, to read as follows:

**107.1 Procedure for appeals.** The provisions of Sec. 8.10.18 of this code are hereby incorporated by reference as if fully set forth herein. When Sec. 8.10.18 is used in reference to a plumbing code appeal, the term “Plumbing Permit” shall replace the term “Building Permit” in said section.

**SEC. 8.30.4. - Subsection 1614.A.0 added – Nonpotable water reuse systems.**

Subsection 16.14A.0 of the California Plumbing Code is added to read as follows:

**1614A.0. Definitions.**

**Commercial building.** For the purpose of this Chapter 16A, a commercial building is defined as a building that is used for commercial purposes. It shall not include any building used for residential purposes, including, but not limited to, hotels, motels, apartments, condominiums or similar buildings.

**Dual plumbing system or dual plumbed.** A system that utilizes separate piping systems for recycled water and potable water within a building, as defined by California Code of Regulations, Title 22, Division 4.

**Floor trap priming.** The practice of adding water to traps beneath floor drains to ensure a barrier from sewer gas.

**Recycled water.** Nonpotable water that meets California Department of Public Health statewide uniform criteria for disinfected tertiary recycled water. Recycled water is also known as reclaimed water.

**SEC. 8.30.5. - Subsection 1618.A.0 amended – Installation.**

Subsection 16.18A.0 of the California Plumbing Code is amended to read as follows:

**1618A.0. Installation.**

- a. The recycled water piping system shall not include any hose bibbs. Only quick couplers that differ from those used on the potable water system shall be used on the recycled water piping system.
- b. The recycled water system and the potable water system within the building shall be provided with the required appurtenances (valves, air/vacuum relief valves, etc.) to allow for testing as required for cross connection test in Section 1620A.0.
- c. Recycled water pipes laid in the same trench or crossing building sewer or drainage piping shall be installed in compliance with Sections 609.0 and 720.0 of this code. Recycled water pipes shall be protected similar to potable water pipes.
- d. All new commercial buildings or groups of new commercial buildings submitting for a building permit after January 1, 2017 in the city, where the total square footage of the building(s) is greater than twenty-five thousand (25,000) square feet, shall incorporate dual plumbing in the design of the building to allow the use of recycled water, when it becomes available, for flushing toilets and urinals and priming floor traps.

**SEC. 8.31 – 8.39. - Reserved.**

**ARTICLE III. - MECHANICAL CODE**

**SEC. 8.40. - 2016 California Mechanical Code.**

**SEC. 8.40.1. - California Mechanical Code – Adopted.**

The California Mechanical Code, 2019 edition, first printing, including all Appendices, based on the 2018 Uniform Mechanical Code, promulgated by the International Association of Plumbing and Mechanical Officials, 4755 East Philadelphia Street, Ontario, California, 91761-2816, including all appendices, which regulates and provides complete requirements for the installation and maintenance of heating, ventilating, comfort cooling and refrigeration systems, is adopted and by reference and made a part of this municipal code with the same force and effect as though set out herein in full. One (1) copy of the 2016 California Mechanical Code is on file and open to public inspection in the building inspection office.

**SEC. 8.40.2. - Chapter 1, Division II amended – Administration.**

Subsection 101.1 of the California Mechanical Code is amended to read as follows:

**101.1. Title.** This document shall be known as the "California Mechanical Code" and may be cited as such and will be referred to herein as "this code." Administrative provisions of the California Mechanical Code are referenced to the California Building Code, Chapter 1, and Division II for provisions.

**SEC. 8.40.3. - Subsection 110.1 amended – General.**

Subsection 107.1 of the California Mechanical Code is amended to read as follows:

**107.1. Procedure for appeals.** The provisions of Sec. 8.10.18 of this code are hereby incorporated by reference as if fully set forth herein. When Sec. 8.10.18 is used in reference to a Mechanical Code appeal, the term "Mechanical Permit" shall replace the term "Building Permit" in said section.

**SEC. 8.41 – 8.49. - Reserved.**

**ARTICLE IV. - ELECTRICAL CODE**

**SEC. 8.50. - 2019 California Electrical Code.**

**SEC. 8.50.1. - 2019 California Electrical Code adopted – Short title.**

The California Electrical Code, 2019 edition, based on the 2018 National Electrical Code, promulgated by the National Fire Protection Association (NFPA), One Batterymarch Park (P.O. Box 9146), Quincy, Massachusetts, 02269-9959, which establishes minimum standards to protect the health, safety and general welfare of the occupant and the public against hazards that may arise from the use of electricity by governing the design, construction, reconstruction, installation, quality of materials, location, operation, and maintenance or use of electrical equipment, wiring and systems, is adopted and by reference made a part of this municipal code with the same force and effect as though set out herein in full. One (1) copy of the 2018 California Electrical Code is on file and open to public inspection in the building inspection office.

**SEC. 8.50.2. - Subsection 89.101.1 amended – Title.**

Subsection 89.101.1 of the California Electrical Code is amended to read as follows:

**89.101.1 Title.** This document shall be known as the "California Electrical Code" and may be cited as such and will be referred to herein as "this code." Administrative provisions of the California Electrical Code are referenced to the California Building Code, Chapter 1, and Division II for provisions.

**SEC. 8.50.3. - Section 89.108.8 amended – Appeals Board; Procedure for appeals.**

Subsection 89.108.8 of the California Electrical Code is amended to read as follows:

**89.108.8.1. Procedure for appeals.** The provisions of Section 8.10.18 of this code are hereby incorporated by reference as if fully set forth herein. When Section 8.10.18 is used in reference to an Electrical Code appeal, the term "Electrical Permit" shall replace the term "Building Permit" in said section.

**SEC. 8.51 - Section 230.79 amended – Rating of service disconnecting means.**

Subsection 230.79 of the California Electrical Code is amended to read as follows:

**230.79 Rating of service disconnecting means.** The service disconnecting means shall have a rating not less than the calculated load to be carried, determined in accordance with Part III, IV, or V of Article 220, as applicable. In no case shall the rating be lower than specified in 230.79(A), (B), (C) or (D).

(A) One (1) Circuit Installations. For installations to supply only limited loads of a single branch circuit, the service disconnecting means shall have a rating of not less than fifteen (15) amperes.

(B) Two (2) Circuit Installations. For installations consisting of not more than two (2) wire branch circuits, the service disconnecting means shall have a rating of not less than thirty (30) amperes.

(C) One (1) Family Dwellings. For a one (1) family dwelling, the service disconnecting means shall have a rating of not less than two hundred (200) amperes, three (3) wire.

(D) All Others. For all other installations, the service disconnecting means shall have a rating of not less than one hundred twenty-five (125) amperes.

**SEC. 8.52 – 8.60. - Reserved.**

**ARTICLE V. - 2018 INTERNATIONAL PROPERTY MAINTENANCE CODE**

**SEC. 8.60.1. - 2018 International Property Maintenance Code.**

The International Property Maintenance Code, 2018 edition, promulgated by the International Code Council, which provides minimum requirements for the protection of life, limb, health, property, safety and welfare of the general public and the owners and occupants of residential buildings, is adopted and by reference made a part of this code with the same force and effect as though set out in full in this chapter. One (1)

copy of the International Property Maintenance Code is on file and open to public inspection in the building inspection office.

**SEC. 8.60.2. - Subsection 101.1 amended – Title.**

Subsection 101.1 of the International Property Maintenance Code is amended to read as follows:

**101.1 Title.** This document shall be known as the "International Property Maintenance Code of the City of Mountain View" and may be cited as such and will be referred to herein as "this code." Administrative provisions of the International Property Maintenance Code are referenced to the California Building Code, Chapter 1, and Division II for provisions.

**SEC. 8.60.3. - Section 103 amended – Department of Property Maintenance Inspection.**

Sections 103.1 and 103.5 of the International Property Maintenance Code are amended to read as follows:

**103. Department of Property Maintenance Inspection.**

**103.1 General.** The building inspection division of the community development department is hereby responsible for the enforcement of this code and the chief building official shall be the executive official in charge. Code official shall mean chief building official as referenced herein.

**103.5 Fees.** The fees for activities and services performed by the department in carrying out its responsibilities under this code shall be paid as required, in accordance with the master fee schedule as adopted by the city council.

**SEC. 8.60.4. - Section 111.1 amended – Application appeal.**

Section 111.1 of the International Property Maintenance Code is amended to read as follows:

**111.1 Application appeal.** Any owner or owner representative who is in disagreement with the chief building official's interpretation of any provision of this code, or any applicant for a building permit who has been refused issuance of such permit, may appeal the chief building official's interpretation or refusal to issue said permit to the city council of the city, which shall serve as the board of appeals. All such appeals shall be filed within ten (10) business days after the date the chief building official renders an interpretation of any provision of this code or refuses to issue said permit. All appeals shall be in writing, shall be filed with the city clerk, shall state the ground or grounds of appeal and shall be accompanied by a nonrefundable fee of two hundred fifty dollars (\$250). Within sixty (60) calendar days after an appeal is filed, or

as soon thereafter as possible, the appeal shall be heard by the city council. The city clerk shall give at least five (5) calendar days prior written notice to the applicant of the date, time, and place for the hearing on said appeal. The applicant shall be entitled to present any oral and/or written evidence at said hearing. Any hearing held pursuant to this section may be continued from time to time by the city council. The hearing shall be informal and shall not require compliance with the rules of evidence. At the hearing, the city council shall hear and consider all relevant evidence. Within twenty-one (21) calendar days after the hearing is closed, the city council shall announce its decision. All decisions of the city council on any appeal shall be final. Failure of any person to file an appeal in accordance with the provisions of this section shall constitute a waiver of the right to an administrative hearing and a failure to exhaust administrative remedies.

**SEC. 8.60.5. - Section 112 amended – Stop work order.**

Section 112 of the International Property Maintenance Code is amended to read as follows:

**112. Stop work order.**

**112.4 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 liable to fines that shall be paid as required, in accordance with the master fee schedule as adopted by the city council.

**SEC. 8.60.6. - Subsection 201.3 amended – Terms defined in other codes.**

Subsection 201.3 of the International Property Maintenance Code is amended to read as follows:

**201.3. Terms defined in other codes.** Where terms are not defined in this code and are defined in the California Building, Fire, Plumbing, Mechanical and Electrical Code or NFPA 70, such terms shall have the meanings ascribed to them as stated in those codes. Where this code refers to "International" Administrative, Building, Residential, Fire, Plumbing, Mechanical, Electrical, Energy, or other International Codes, the term international shall be replaced with the word "California."

**SEC. 8.60.7. - Subsection 302 amended – Weeds.**

Subsection 302 of the International Property Maintenance Code is amended to read as follows:

**302.4. Weeds.** Premises and exterior property shall be maintained free from weeds or plant growth per MVCC Chapter 16, Sec. 16.35 to 16.48.

**SEC. 8.60.8. - Subsection 404 amended – Occupancy limitations.**

Subsection 404 of the International Property Maintenance Code is amended to read as follows:

**404. Occupancy Limitations.**

**404.4.4 Prohibited occupancy.** Kitchens, bathrooms, hallways and other nonhabitable spaces shall not be used for sleeping purposes.

**SEC. 8.60.9. - Subsection 602 amended – Heating facilities.**

Subsection 602 of the International Property Maintenance Code is amended to read as follows:

**602.3 Heat supply.** Every owner and operator of any building who rents, leases or lets one (1) or more dwelling units or sleeping units on terms, either expressed or implied, to furnish heat to the occupants thereof shall supply heat during the duration of tenancy to maintain a minimum temperature of 68°F (20°C) in all habitable rooms, bathrooms and toilet rooms.

Exceptions:

1. When the outdoor temperature is below the winter outdoor design temperature for the locality, maintenance of the minimum room temperature shall not be required provided that the heating system is operating at its full design capacity. The winter outdoor design temperature for the locality shall be as indicated in Appendix D of the California Plumbing Code.
2. In areas where the average monthly temperature is above 30°F (-1°C), a minimum temperature of 65°F (18°C) shall be maintained.

**SEC. 8.61 – 8.69. - Reserved.**

**ARTICLE VI. - CONSTRUCTION NOISE**

**SEC. 8.70. - Construction noise.**

- a. **Hours of construction.** No construction activity shall commence prior to 7:00 a.m. nor continue later than 6:00 p.m., Monday through Friday, nor shall any work be permitted on Saturday or Sunday or holidays unless prior written approval is granted by the chief building official. The term "construction activity" shall include any physical activity on the construction site or in the staging area, including the delivery of materials. In approving modified hours, the chief building official may specifically designate and/or limit the activities permitted during the modified hours.



- b. **Modification.** At any time before commencement of or during construction activity, the chief building official may modify the permitted hours of construction upon twenty-four (24) hours written notice to the contractor, applicant, developer or owner. The chief building official can reduce the hours of construction activity below the 7:00 a.m. to 6:00 p.m. time frame or increase the allowable hours.
- c. **Sign required.** The general contractor, applicant, developer or owner shall erect a sign at a prominent location on the construction site to advise subcontractors and material suppliers of the working hours. The sign shall include: Address number (minimum 24" x 36" in contrasting colors), Contact Name and Number, Construction Hours, Contractor Info (as stated on your job card). Any modification of standard hours will require additional signage. The contractor, owner or applicant shall immediately produce upon request any written order or permit from the chief building official pursuant to this section upon the request of any member of the public, the police or city staff.
- d. **Violation.** Violation of the allowed hours of construction activity can result in a stop work notice and/or a reduction of regular construction hours for the duration of the project. Required signage shall be posted or the site shall be considered in violation of this section of the code under the direction of the chief building official's order.

SEC. 8.70.1 - Reserved.

SEC. 8.71 – 8.112. - Reserved.

## ARTICLE VII. - MOVING BUILDINGS

SEC. 8.130. - Definitions – Amended.

For the purpose of this article, the following words and phrases shall have the meanings respectively ascribed to them by this section:

**Administrative authority.** "Administrative authority" is the chief building official.

**Building.** "Building" is a structure designed, built or occupied as a shelter or roofed enclosure for persons, animals, or property and used for residential, business, mercantile, storage, commercial, industrial, institutional, assembly, educational or recreational purposes. A structure containing one hundred (100) square feet or less of floor space shall not fall within this definition.

**Community development director.** "Community development director" is the community development director for the city, or his/her designee.

**Public works director.** "Public works director" is the public works director for the city, or his/her designee.

**Zoning administrator.** "Zoning administrator" is the zoning administrator for the city, or his/her designee.

**SEC. 8.131. - Compliance with zoning and building codes; exception.**

In addition to the permits provided for in this article, any building or structure moved to any location within the city shall comply with the provisions of the zoning code and the building code, including provisions of the Historic Building Code and the 1997 Uniform Code for Building Conservation for appropriate structures. These provisions shall not apply to buildings or structures moved to a location within the city for the purpose of temporary storage, so long as the provisions of Sec. 8.149 are complied with.

No permits shall be issued to move a building to any location inside the city unless: (1) a zoning permit has been obtained from the zoning administrator; (2) the building has been inspected by the building official and approved; (3) the route to be followed has been approved by the public works director; (4) building and moving permits have been obtained; and (5) zoning permit fees, building inspection fees and moving fees have been paid by the applicant as set forth in the current fee schedule adopted by city ordinance, and/or by city council resolution.

**SEC. 8.132. - Zoning permit – Required.**

A zoning permit shall be obtained from the community development department, prior to receiving approval from the administrative authority and the public works director that the structure and the route are approved for moving.

To approve a zoning permit, the zoning administrator must find and determine that: (1) the structure conforms to the general form, scale and character of the neighborhood and will constitute an upgrading of the area; (2) any structural modifications (i.e., windows, new roofing, etc.) relate to the new site and the surrounding area; and (3) if the structure has historic qualities, the character and architectural style of the period shall be retained in any proposed expansion and/or accessory structures (e.g., avoid stucco over wood, replacing or mixing wood windows with aluminum, etc.).

**SEC. 8.133. - Moving notice – Required.**

At least seven (7) business days prior to review of a request for a zoning permit to move any building or structure to a location inside the city, the administrative authority shall post both the proposed location and the building to be moved in a conspicuous manner.

The community development director shall, at least ten (10) business days prior to consideration of said request, cause a notice to be mailed to the owners of property

within a radius of three hundred (300) feet of the exterior boundaries of said property, using for this purpose the last known name and address of such owners as shown upon the current assessment rolls of the county. Failure of any property owner to receive said notice of hearing will not invalidate the proceedings or the permit.

**SEC. 8.134. - Moving notice – Form and content.**

The moving notice required to be posted on the property by the preceding section shall have a title in letters not less than one (1) inch in height, "MOVING NOTICE." It shall give the location of the house by street and number and the name and address of the applicant desiring a permit to move such building; shall set forth the date of the development review committee (DRC) meeting to consider the proposal, and shall state that interested parties may file letters of support or opposition with the planning department, or attend said meeting and present their views.

**SEC. 8.135. - Improvements, modifications and repairs – Required in certain cases.**

As part of the conditions under which a zoning permit may be issued to move a building or structure to a location inside the city, the zoning administrator may require improvements, modifications and repairs to the building or structure as are determined by the administrative authority in the pre-move inspection report.

**SEC. 8.136. - Denial; Review of application.**

If the zoning administrator finds and determines that the relocation of the building to the proposed site would cause appreciable damage to, or be materially detrimental to, the property or improvements within the immediate vicinity of the proposed new location, or if the structure is of a type prohibited at the proposed new location by any law or regulation of the city, the zoning administrator shall deny the zoning permit, and so inform the applicant in writing.

**SEC. 8.137. - Appealing adverse decisions.**

Any person who is aggrieved by the decision of the zoning administrator made pursuant to this article may, within ten (10) business days, appeal therefrom to the city council.

**SEC. 8.138. - Premove inspection.**

A person seeking to move a building or structure onto a parcel within the city shall, concurrently with applying for a zoning permit, file an application for a pre-move inspection with the administrative authority.

The administrative authority shall perform a pre-move inspection of the building or structure and the proposed location of the same, and he/she shall submit to the zoning

administrator a report describing the improvements which must be made to the building or structure to conform to the current building codes.

**SEC. 8.139. - Same – Application – Contents.**

The application for pre-move inspection shall be made in writing, upon forms provided by the administrative authority and shall be filed in the office of the administrative authority. Said application shall include:

a. The present location of the structure, a minimum of two (2) sets of photographs, and two (2) sets of building plans, and a set of keys for access to the structure. The building plans shall include a description of the proposed buildings to be moved, including the construction materials, dimensions, number of rooms, condition of the exterior and interior, the proposed improvements to be made, and any other information which the chief building official may require to make an accurate evaluation;

b. A dimensioned plot plan showing the portion of the lot to be occupied by the building when moved and the location and disposition of all existing structures, if the lot is within the city.

**SEC. 8.140. - Same – Denial; Review of application.**

If the inspection of the structure reveals any unlawful, dangerous or defective condition of the building or structure proposed to be moved, such that remedy or correction cannot effectively be made, the administrative authority shall deny the moving permit, and so notify the community development director in writing.

**SEC. 8.141. - Building permit and moving permit – Required.**

Subsequent to obtaining a zoning permit and prior to moving any building or structure over, along or across any highway, street or alley in the city and under its jurisdiction, the owner or his or her agent shall obtain a building permit and a moving permit, and satisfy all conditions under which such permits are granted. The application shall be on forms provided by the administrative authority and shall include:

a. A description of the highways, streets and alleys of the city over, along or across which the building is proposed to be moved;

b. Proposed moving date and hours;

c. A statement that the applicant shall indemnify and save the city harmless from any and all claims, actions, demands, damages or expenses which may result from the operations of the applicant under the moving permit, if granted, or from the exercise of privileges conferred upon him by the permit;

d. Any additional information which the administrative authority shall find necessary to make a fair determination of whether or not a permit should be issued.

**SEC. 8.142. - Same – Conditions.**

Any building and moving permit issued under this article shall be subject to the following conditions:

- a. Any applicant for such permits shall be responsible for the payment to the city of any unusual costs incurred by the city which may result from the granting of such permits.
- b. No permit shall be issued to move a building within or through the city from a location either inside or outside the city to another location outside the city unless the proposed route to be followed within the city has been approved by the public works director and the police chief.
- c. No permit shall be issued to move a structure along city streets unless said application specifies the type of moving equipment to be used, and the public works director determines that such moving equipment is not of a type which will be detrimental to the streets or other property of the city.

**SEC. 8.143. - Same – Fees.**

No moving or building permits shall be issued until all applicable fees have been paid.

The fees required by this section shall be as follows:

- a. A fee for zoning permits shall be paid to the community development department at the time of application for said permit, based on the current fee in the fee schedule.
- b. A fee for the pre-move inspection shall be paid to the administrative authority at the time of application for a moving permit and plan submittal, based on the hourly rate in the fee schedule for "nonspecified inspections," with a two (2) hour minimum.
- c. Building permit fees shall be paid to the administrative authority, after approval of the structure for moving, calculated at the structural value of the existing structure based on the current square footage fee in the fee schedule. Plan check fees shall also be calculated using the valuation for the structure.
- d. All new additions or structural changes shall have fees based on the current square footage valuation contained in the fee schedule.

e. All electrical, plumbing and mechanical fees shall be full value based on the current fee schedule.

f. For moving a building or buildings from a location inside or outside the city to another location either inside or outside the city, there shall be a fee as specified in the current fee schedule established by the city council, except an accessory building not over four hundred (400) square feet in area may be moved in conjunction with the moving of a residence from the same location to the same location, without paying an additional fee therefor.

**SEC. 8.144. - Same – Insurance.**

No building or moving permit shall be issued unless the permittee shall have first taken out and agreed to maintain at all times, workers' compensation insurance; and public liability insurance in an amount not less than one million dollars (\$1,000,000) for injuries, including wrongful death, to any one (1) person, and in an amount not less than two million dollars (\$2,000,000) on account of any one (1) accident, and unless also he shall take out and agree to maintain at all times property damage insurance in an amount not less than five hundred thousand dollars (\$500,000). A certificate of insurance shall be presented to the satisfaction of the administrative authority prior to the issuance of such permit.

**SEC. 8.145. - Same – Deposit or bond.**

Every building or moving permit issued shall require the applicant to post a surety bond or cash with the city clerk, in an amount sufficient to secure the faithful performance by the applicant of all repairs and improvements required under Sec. 8.135 and the faithful performance of such other conditions as are imposed on the granting of such permit. Any surety bonds accepted by the administrative authority shall be valid for a period of not less than one hundred eighty (180) calendar days.

**SEC. 8.146. - Same – Period of validity.**

Unless otherwise specified in a moving permit issued pursuant to this article, such permit shall be valid for a period of thirty (30) calendar days from the date of issuance thereof. For good cause, the administrative authority, within his/her discretion, may issue a permit for a longer period, and may renew any permit issued by him/her, without additional fee therefor, when requested in writing by the applicant, except that no permit shall be valid or renewable for a period longer than one hundred twenty (120) calendar days from the date of issuance thereof.

**SEC. 8.147. - Same – Time allowed for completion.**

Every moving permit issued pursuant to this article shall state a time limit within which any improvements and repairs provided for in Sec. 8.135 shall be completed.

**SEC. 8.148. - Duties of persons in charge of moving buildings.**

Every person in charge of the moving of any building or structure on or over the streets of the city shall:

1. Twenty-four (24) hours prior to the move, receive approval from the fire department and the police department of the time and route over which the building/structure will be moved;
2. Give twenty-four (24) hours written notice to any person responsible for trimming trees, removing wires, or the doing of other things necessary to permit the moving of the building over the route designated;
3. Maintain red lights at each corner of the building from one-half (1/2) hour after sunset until one-half (1/2) hour before sunrise.

**SEC. 8.149. - Exceptions to article.**

The provisions set forth in this article shall apply to all buildings or structures moved in or into the incorporated limits of the city, except that the following provisions may apply where applicable, as determined by the administrative authority:

1. **Temporary storage in transit.** Buildings or structures may be moved to a location within the city for the purpose of temporary storage thereof, under the following terms and conditions, and subject to the following provisions:
  - a. Permittee must have obtained a business license from the city to engage in the business of moving buildings or structures.
  - b. No such buildings or structures shall be stored at any location, or in any manner, in violation of any other laws or ordinances of the state or the city.
  - c. Any permit issued for the purposes herein provided shall have endorsed thereon, in writing, in addition to the matters otherwise provided for in this article, the location, and the duration of such storage, and any other conditions specified by the administrative authority, and under which such permit is granted.
  - d. A permit for such purpose shall be valid for a period of sixty (60) calendar days, and may be renewed for additional periods within the discretion of the administrative authority. The limitation of one hundred twenty (120) calendar days imposed under Sec. 8.146 shall not be applicable to a permit issued for the purposes herein specified.
  - e. The fee for such permit shall be the same as is provided for a permit to move buildings or structures to a location outside the city. Provided, however, that if the buildings or structures are removed from a temporary storage place to a

location inside the city a new permit shall be obtained on the same terms and conditions as are applicable to the moving of a building from one location inside the city to another location inside the city, including the payment of a fee as specified in the current fee schedule adopted by the city council.

f. Except insofar as they are inconsistent with the provisions of this section all of the other provisions of this article shall be applicable to any permit issued under the provisions of this section.

2. **Temporary buildings.** Whenever an application is filed for a permit to move a building or structure specified in such application to be for use as a temporary construction office or tool storage building, agricultural building, or other temporary use inside or outside the city, the administrative authority may, within his/her discretion, waive any or all of the provisions of this article as he shall deem reasonable under the circumstances. All other laws and ordinances of the state and city, including the laws pertaining to zoning, health, safety or general welfare of the public, shall remain applicable thereto.

3. **New buildings.** If the building or structure to be moved has been built under a lawful permit of the city within ninety (90) calendar days preceding the filing of the application, the administrative authority may waive such provisions of this article, except the requirement for a zoning permit, as he/she shall deem reasonable under the circumstances.

#### **SEC. 8.150. - Appealing adverse decisions.**

Any person who is aggrieved by the decision of the administrative authority made pursuant to this article may, within ten (10) business days, appeal therefrom to the city council.

#### **SEC. 8.151. - Repealed by Ord. No. 7.85, 4/30/85.**

#### **SEC. 8.152–8.159. - Reserved.**

### **ARTICLE VIII. - DRAINAGE AND FLOOD CONTROL**

#### **SEC. 8.160. - Statutory authorization, findings of fact, purpose and methods.**

##### **SEC. 8.160.1. - Statutory authorization.**

The Legislature of the State of California has, in Government Code Sec. 65302, 65560 and 65800, conferred upon local government units authority to adopt regulations designed to promote the public health, safety and general welfare of its citizenry.



**SEC. 8.160.2. - Findings of fact.**

a. The flood hazard areas of the City of Mountain View are subject to periodic inundation which results in loss of life and property, health and safety hazards, disruption of commerce and governmental services, extraordinary public expenditures for flood protection and relief, and impairment of the tax base, all of which adversely affect the public health, safety and general welfare.

b. These flood losses are caused by uses that are inadequately elevated, floodproofed or protected from flood damage. The cumulative effect of obstructions in areas of special flood hazards which increase flood heights and velocities also contribute to the flood loss.

**SEC. 8.160.3. - Statement of purpose.**

It is the purpose of this article to promote the public health, safety and general welfare, and to minimize public and private losses due to flood conditions in specific areas by provisions designed to:

- a. Protect human life and health;
- b. Minimize expenditure of public money for costly flood control projects;
- c. Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;
- d. Minimize prolonged business interruptions;
- e. Minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets and bridges located in areas of special flood hazard;
- f. Help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future blighted areas caused by flood damage;
- g. Ensure that potential buyers are notified that property is in an area of special flood hazard; and
- h. Ensure that those who occupy the areas of special flood hazard assume responsibility for their actions.

**SEC. 8.160.4. - Methods of reducing flood losses.**

In order to accomplish its purposes, this article includes methods and provisions to:

- a. Restrict or prohibit uses which are dangerous to health, safety and property due to water or erosion hazards, or which result in damaging increases in erosion or flood heights or velocities;
- b. Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;
- c. Control the alteration of natural floodplains, stream channels and natural protective barriers, which help accommodate or channel floodwaters;
- d. Control filling, grading, dredging and other development which may increase flood damage; and
- e. Prevent or regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards in other areas.

**SEC. 8.161. - Definitions.**

Unless specifically defined below, words or phrases used in this article shall be interpreted so as to give them the meaning they have in common usage and to give this article its most reasonable application.

“Accessory use” means a use which is incidental and subordinate to the principal use of the parcel of land on which it is located.

“Appeal” means a request for a review of the floodplain administrator's interpretation of any provision of this article.

“Area of shallow flooding” means a designated AO or AH zone on the Flood Insurance Rate Map (FIRM). The base flood depths range from one (1) foot to three (3) feet; a clearly defined channel does not exist; the path of flooding is unpredictable and indeterminate; and velocity flow may be evident. Such flooding is characterized by ponding or sheet flow.

“Area of special flood hazard” – see “Special Flood Hazard Area.”

“Base flood” means a flood which has a one (1) percent chance of being equaled or exceeded in any given year (also called the “one hundred (100) year flood”). Base flood is the term used throughout this article.

“Basement” means any area of the building having its floor subgrade (i.e., below ground level) on all sides.

"Bench Mark No. U-180" means the United States Coast and Geodetic Survey Bench Mark No. U-180 as now established, or as such bench mark may be adjusted from time to time by the United States Coast and Geodetic Survey to compensate for land subsidence or other changes. Bench Mark No. U-180 is a bronze disc on the west side of Grant Road 140+ feet north of Eunice Avenue in the city, the presently established elevation of which is 151.335 feet, mean sea level (1990 datum year).

"Building" — see "Structure."

"Coastal high hazard area" means an area of special flood hazard extending from offshore to the inland limit of a primary frontal dune along an open coast and any other area subject to high velocity wave action from storms or seismic sources. It is an area subject to high-velocity waters, including coastal and tidal inundation or tsunamis. The area is designated on a Flood Insurance Rate Map (FIRM) as Zone V1-V30, VE or V.

"Development" means any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavation or drilling operations or storage of equipment or materials.

"Encroachment" means the advance or infringement of uses, plant growth, fill, excavation, buildings, permanent structures or development into a floodplain which may impede or alter the flow capacity of a floodplain.

"Existing manufactured home park or subdivision" means a manufactured home park or subdivision for which the construction of facilities for servicing the lots on which the manufactured homes are to be affixed (including, at a minimum, the installation of utilities, the construction of streets and either final site grading or the pouring of concrete pads) is completed before the effective date of the floodplain management regulations adopted by the City of Mountain View.

"Expansion to an existing manufactured home park or subdivision" means the preparation of additional sites by the construction of facilities for servicing the lots on which the manufactured homes are to be affixed (including the installation of utilities, the construction of streets, either final site grading or pouring of concrete pads).

"Flood, flooding or floodwater" means: a general and temporary condition of partial or complete inundation of normally dry land areas from the overflow of inland or tidal waters; and the unusual and rapid accumulation of runoff of surface waters from any source.

"Flood boundary and floodway map (FBFM)" means the official map on which the federal emergency management agency or federal insurance administration has delineated both the areas of special flood hazards and the floodway.

"Flood hazard boundary map" means the official map on which the Federal Emergency Management Agency or Federal Insurance Administration has delineated the areas of flood hazards.

"Flood Insurance Rate Map (FIRM)" means the official map on which the Federal Emergency Management Agency or Federal Insurance Administration has delineated both the areas of special flood hazards and the risk premium zones applicable to the community.

"Flood Insurance Study" means the official report provided by the Federal Insurance Administration that includes flood profiles, the Flood Insurance Rate Map, the Flood Boundary and Floodway Map and the water surface elevation of the base flood.

"Floodplain or flood-prone area" means any land area susceptible to being inundated by water from any source—see "Flooding."

"Floodplain administrator" means the public works director as defined in Sec. 8.163.2.

"Floodplain management" means the operation of an overall program of corrective and preventive measures for reducing flood damage and preserving and enhancing, where possible, natural resources in the floodplain, including, but not limited to, emergency preparedness plans, flood control works, floodplain management regulations, and open space plans.

"Floodplain management regulations" means this article and other zoning ordinances, subdivision regulations, building codes, health regulations, special purpose ordinances (such as grading and erosion control) and other application of police power which control development in flood-prone areas. This term describes federal, state or local regulations in any combination thereof which provide standards for preventing and reducing flood loss and damage.

"Floodproofing" means any combination of structural and nonstructural additions, changes or adjustments to structures which reduce or eliminate flood damage to real estate or improved real property, water and sanitary facilities, structures and their contents.

"Floodway" means the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than one (1) foot. Also referred to as a "regulatory floodway."

"Flood encroachment lines" means the lines marking the limits of floodways on federal, state and local floodplain maps.

"Floodway fringe" is that area of the floodplain on either side of the "regulatory floodway" where encroachment may be permitted.

"Fraud and victimization" as related to Sec. 8.165, "Variances," of this article means that the variance granted must not cause fraud on or victimization of the public. In examining this requirement, the variance board will consider the fact that every newly constructed building adds to government responsibilities and remains a part of the community for fifty (50) to one hundred (100) years. Buildings that are permitted to be constructed below the base flood elevation are subject during all those years to increased risk of damage from floods, while future owners of the property and the community as a whole are subject to all the costs, inconvenience, danger and suffering that those increased flood damages bring. In addition, future owners may purchase the property, unaware that it is subject to potential flood damage, and can be insured only at very high flood insurance rates.

"Functionally dependent use" means a use which cannot perform its intended purpose unless it is located or carried out in close proximity to water. The term includes only docking facilities, port facilities that are necessary for the loading and unloading of cargo or passengers, and ship building and ship repair facilities, but does not include long-term storage or related manufacturing facilities.

"Governing body" is the city council of the City of Mountain View, which is empowered to adopt and implement regulations to provide for the public health, safety and general welfare of its citizenry.

"Hardship" as related to Sec. 8.165, "Variances," of this article means the exceptional hardship that would result from a failure to grant the requested variance. The Appeal Board (Sec. 8.165.2) requires that the variance be exceptional, unusual and peculiar to the property involved. Mere economic or financial hardship alone is not exceptional. Inconvenience, aesthetic considerations, physical handicaps, personal preference or the disapproval of one's neighbors likewise cannot, as a rule, qualify as exceptional hardships. All of these problems can be resolved through other means, without granting a variance, even if the alternative is more expensive or requires the property owner to build elsewhere or put the parcel to a different use than originally intended.

"Highest adjacent grade" means the highest natural elevation of the ground surface prior to construction next to the proposed walls of a structure.

"Historic structure" means any structure that is: (1) listed individually in the National Register of Historic Places (a listing maintained by the Department of Interior) or preliminarily determined by the Secretary of the Interior as meeting the requirements for individual listing on the National Register; (2) certified or preliminarily determined by the Secretary of the Interior as contributing to the historical significance of a registered historic district or a district preliminarily determined by the Secretary to

qualify as a registered historic district; (3) individually listed on a state inventory of historic places in states with historic preservation programs which have been approved by the Secretary of the Interior; or (4) individually listed on a local inventory of historic places in communities with historic preservation programs that have been certified either by an approved state program as determined by the Secretary of the Interior or directly by the Secretary of the Interior in states with approved programs.

“Levee” means a man-made structure, usually an earthen embankment, designed and constructed in accordance with sound engineering practices to contain, control or divert the flow of water so as to provide protection from temporary flooding.

“Levee system” means a flood protection system which consists of a levee, or levees, and associated structures, such as closure and drainage devices, which are constructed and operated in accord with sound engineering practices.

“Lowest floor” means the lowest floor of the lowest enclosed area, including basement (see basement definition).

1. An unfinished or flood-resistant enclosure below the lowest floor that is usable solely for parking of vehicles, building access or storage in an area other than a basement area is not considered a building's lowest floor, provided it conforms to applicable nonelevation design requirements, including, but not limited to:
  - a. The wet floodproofing standards in Sec. 8.164.1.c.3.
  - b. The anchoring standards in Sec. 8.164.1.a.
  - c. The construction materials and methods standards in Sec. 8.164.1.b.
  - d. The standards for utilities in Sec. 8.164.2.
2. For residential structures, all subgrade enclosed areas within a special flood hazard area are prohibited as they are considered to be basements (see basement definition). This prohibition includes below-grade garages and storage areas.

“Manufactured home” means a structure, transportable in one (1) or more sections, which is built on a permanent chassis and is designed for use with or without a permanent foundation when attached to the required utilities. The term “manufactured home” does not include a “recreational vehicle.”

“Manufactured home park or subdivision” means a parcel (or contiguous parcels) of land divided into two (2) or more manufactured home lots for rent or sale.

“Mean sea level” means, for purposes of the National Flood Insurance Program, the National Geodetic Vertical Datum (NGVD) of 1929 or other datum, to which base flood elevations shown on a community’s Flood Insurance Rate Map are referenced.

“New construction” (for floodplain management purposes) means structures for which the “start of construction” commenced on or after the effective date of this article and includes any subsequent improvement to such structures.

“New manufactured home park or subdivision” means a manufactured home park or subdivision for which the construction of facilities for servicing the lots on which the manufactured homes are to be affixed (including, at a minimum, the installation of utilities, the construction of streets and either final site grading or the pouring of concrete pads) is completed on or after the effective date of floodplain management regulations adopted by the city.

“Obstruction” includes, but is not limited to, any dam, wall wharf, embankment, levee, dike, pile, abutment, protection, excavation, channelization, bridge, conduit, culvert, building, wire, fence, rock, gravel, refuse, fill, structure, vegetation or other material in, along, across or projecting into any watercourse which may alter, impede, retard or change the direction and/or velocity of the flow of water, or due to its location, its propensity to snare or collect debris carried by the flow of water, or its likelihood of being carried downstream.

“One hundred year flood” or “100-year flood” see “Base flood.”

“Public safety and nuisances,” as related to Sec. 8.165, “Variances,” of this article, means the granting of a variance must not result in anything which is injurious to safety or health of an entire community or neighborhood, or any considerable number of persons, or unlawfully obstructs the free passage or use, in the customary manner, of any navigable lake, or river, bay, stream, canal or basin.

“Recreational vehicle” means a vehicle which is: (1) built on a single chassis; (2) four hundred (400) square feet or less when measured at the largest horizontal projection; (3) designed to be self-propelled or permanently towable by a light-duty truck; and (4) designed primarily not for use as a permanent dwelling but as temporary living quarters for recreational, camping, travel or seasonal use.

“Regulatory floodway” means the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than one (1) foot.

“Remedy a violation” means to bring the structure or other development into compliance with state or local floodplain management regulations, or, if this is not possible, to reduce the impacts of its noncompliance. Ways that impacts may be reduced include protecting the structure or other affected development from flood

damages, implementing the enforcement provisions of the ordinance or otherwise deterring future similar violations, or reducing state or federal financial exposure with regard to the structure or other development.

"Riverine" means relating to, formed by or resembling a river (including tributaries), stream, brook, etc.

"Sheet flow area" see "Area of shallow flooding."

"Special Flood Hazard Area (SFHA)" means an area having special flood or flood-related erosion hazards and shown on an FHBM or FIRM as Zone A, AO, A1-A30, AE, A99, AH, V1-V30, VE or V.

"Start of construction" includes substantial improvement and other proposed new development and means the date the building permit was issued, provided the actual start of construction, repair, reconstruction, rehabilitation, addition, placement or other improvement was within one hundred eighty (180) calendar days from the date of the permit. The actual start means either the first placement of permanent construction of a structure on a site, such as the pouring of slab or footings, the installation of piles, the construction of columns, or any work beyond the stage of excavation; or the placement of a manufactured home on a foundation. Permanent construction does not include land preparation, such as clearing, grading and filling; nor does it include the installation of streets and/or walkways; nor does it include excavation for a basement, footings, piers or foundations or the erection of temporary forms; nor does it include the installation on the property of accessory buildings, such as garages or sheds not occupied as dwelling units or not part of the main structure. For a substantial improvement, the actual start of construction means the first alteration of any wall, ceiling, floor or other structural part of a building, whether or not that alteration affects the external dimensions of the building.

"Structure" means a walled and roofed building that is principally above ground; this includes a gas or liquid storage tank or a manufactured home.

"Substantial damage" means damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damaged condition would equal or exceed fifty (50) percent of the market value of the structure before the damage occurred.

"Substantial improvement" means any reconstruction, rehabilitation, addition or other proposed new development of a structure, the cost of which equals or exceeds fifty (50) percent of the market value of the structure before the "start of construction" of the improvement. This term includes structures which have incurred "substantial damage," regardless of the actual repair work performed. The term does not, however, include either: (1) any project for improvement of a structure to correct existing violations or state or local health, sanitary, or safety code specifications which have



been identified by the local code enforcement official and which are the minimum necessary to assure safe living conditions, or (2) any alteration of a "historic structure," provided that the alteration will not preclude the structure's continued designation as a "historic structure."

"Variance" means a grant of relief from the requirements of this article which permits construction in a manner that would otherwise be prohibited by this article.

"Water surface elevation" means the height, in relation to the national geodetic vertical datum (NGVD) of 1929 (or other datum, where specified) of floods of various magnitudes and frequencies in the floodplains of coastal or riverine areas.

"Watercourse" means a lake, river, creek, stream, wash, arroyo, channel or other topographic feature on or over which waters flow at least periodically. Watercourse includes specifically designated areas in which substantial flood damage may occur.

#### **SEC. 8.162. - General provisions.**

##### **SEC. 8.162.1. - Lands to which this article applies.**

This article shall apply to all areas of special flood hazards within the jurisdiction of the City of Mountain View.

##### **SEC. 8.162.2. - Basis for establishing the areas of special flood hazard.**

The areas of special flood hazard identified by the Federal Insurance Administration (FIA) of the Federal Emergency Management Agency (FEMA) in the Flood Insurance Study dated June 19, 1997 and accompanying Flood Insurance Rate Map (FIRM), dated June 19, 1997 for Community Panel No. 4E and July 4, 1988 for Community Panel Nos. 1C, 2C, 3D, 5D, 6C and 7C, and all subsequent amendments and/or revisions are hereby adopted by reference and declared to be a part of this article. This Flood Insurance Study and attendant mapping is the minimum area of applicability of this article and may be supplemented by studies for other areas which allow implementation of this article and which are recommended to the city council of the City of Mountain View by the floodplain administrator. The Flood Insurance Study, Flood Insurance Rate Maps (FIRMs) are on file at the public works department of the City of Mountain View.

##### **SEC. 8.162.3. - Compliance.**

No structure or land shall hereafter be constructed, located, extended, converted or altered without full compliance with the terms of this article and other applicable regulations. Violation of the requirements (including violations of conditions and safeguards established in connection with conditions) shall constitute a misdemeanor. Nothing herein shall prevent the City of Mountain View from taking such lawful action as is necessary to prevent or remedy any violation.

**SEC. 8.162.4. - Abrogation and greater restrictions.**

This article is not intended to repeal, abrogate or impair any existing easements, covenants or deed restrictions. However, where this article and another article, easement, covenant or deed restriction conflict or overlap, whichever imposes the more stringent restrictions shall prevail.

**SEC. 8.162.5. - Interpretation.**

In the interpretation and application of this article, all provisions shall be:

- a. Considered as minimum requirements;
- b. Liberally construed in favor of the governing body; and
- c. Deemed neither to limit nor repeal any other powers granted under state statutes or by the charter or ordinances of the City of Mountain View.

**SEC. 8.162.6. - Warning and disclaimer of liability.**

The degree of flood protection required by this article is considered reasonable for regulatory purposes and is based on scientific and engineering considerations. Larger floods can and will occur on rare occasions. Flood heights may be increased by man-made or natural causes. This article does not imply that land outside the areas of special flood hazards or uses permitted within such areas will be free from flooding or flood damages. This article shall not create liability on the part of the City of Mountain View, any officer or employee thereof, the State of California or the Federal Insurance Administration, Federal Emergency Management Agency, for any flood damages that result out of reliance on this article or any administrative decision lawfully made thereunder.

**SEC. 8.162.7. - Severability.**

This article and the various parts thereof are hereby declared to be severable. Should any section of this article be declared by the courts to be unconstitutional or invalid, such decision shall not affect the validity of the article as a whole, or any portion thereof other than the section so declared to be unconstitutional or invalid.

**SEC. 8.163. - Administration.**

**SEC. 8.163.1. - Establishment of a flood development permit.**

A flood development permit shall be obtained before any construction or other development begins within any area of special flood hazard established in Sec. 8.162.2. Application for a flood development permit shall be made on forms furnished by the building official and may include, but not be limited to: plans in duplicate drawn to

- c. **Vehicular entrances to underground parking garages.** Vehicular entrances to underground parking garages shall be secured by controlled gates, operated by either a card or by an automatic door opener. Said entrances, as well as any other opening on exterior walls over eight (8) inches by twelve (12) inches, shall be protected by the installation of grillwork of at least one-half (1/2) inch metal bars on five (5) inch centers with one and one-fourth (1-1/4) inch strap frames.

**SEC. 8.243. - Detached accessory buildings, including private residential garages.**

All detached buildings accessory to residential developments, including detached residential garages not otherwise exempted under Sec. 8.228, shall comply with all of the requirements for single-family dwellings and duplexes as set forth in Sec. 8.241, except for the following changes or deletions:

- a. Section 8.241.d.2 shall be modified by requiring that all exterior swinging doors be equipped with a single or double cylinder dead bolt.
- b. Subsections e. and f. of Sec. 8.241 shall not be applicable to such detached accessory buildings.

**SEC. 8.244. – 8.249. - Reserved.**

**DIVISION 3. - NONRESIDENTIAL BUILDING SECURITY**

**SEC. 8.250. - Applicability.**

All nonresidential buildings shall comply with the standards set forth in this division. Nonresidential buildings, as used in this division, shall include all types of buildings or structures not defined as residential buildings by Sec. 8.240 of Division 2 of this article.

**SEC. 8.251. - Exemption.**

Hotel, motel and other like commercial establishments shall comply with the requirements set forth in this division, except that any such establishment may be exempted from any or all of the requirements of this division where the administrative authority is reasonably satisfied that the building, or any portion thereof, is sufficiently attended at all times by a security guard, maintenance personnel or other authorized person on the premises so as to prevent unauthorized entry. Any exemption so granted may be revoked by the administrative authority at any time for due cause, including, but not limited to, the fact that such security guard, maintenance personnel or other authorized person has been removed from the premises. If any exemption is so revoked, the owner may appeal such revocation to the city council pursuant to the provisions of Sec. 8.226 of Division 1 of this article. On or after the effective date of such revocation, such nonresidential building shall be made to comply with the provisions of

this division within the period of time specified by the administrative authority, or by the city council, if an appeal is filed and heard by said council.

**SEC. 8.252. - Nonresidential building security.**

All nonresidential buildings shall comply with the following requirements:

**a. Exterior doors.**

1. A single door shall be equipped with either a double cylinder dead bolt or a single cylinder dead bolt. Doors equipped with a dead-locking latch must also be used in conjunction with a dead bolt lock. (These requirements for the installation of locking devices on exterior exit doors and in hazardous occupancies as defined in the Uniform Building Code and for occupancies regulated by Title 19 of the California Administrative Code, shall be superseded by requirements of the Uniform Building Code or Title 19, as appropriate.)
2. On double doors, the active leaf shall be secured with the type of lock required for single doors as defined in Section 8.252(a)(1). The inactive leaf shall be equipped with flush bolts in accordance with applicable provisions of the Uniform Building Code.
3. Any single or double doors with locking at the bottom or top rail shall have locks with a minimum of 1 inch throw bolt at the top jamb and bottom sill.
4. If constructed of wood, the door shall be of solid wood core construction of not less than 1-3/4 inch thickness; provided, however, that decorative panels may be used or a portion of the door may include a decoratively carved design, no portion of which may be less than 1 inch in thickness.
5. Exterior sliding glass doors shall be designed to prevent removal by raising of the moving panel from the track while in a closed or partially open position. In addition, exterior sliding glass doors shall be secured as provided in subsections 1. and 3. of this section.

**b. Other type exterior doors.**


1. **Garage-type doors.** All solid overhead, swinging, sliding or accordion garage-type doors shall be secured with a cylinder lock, padlock and/or metal solid bar, bolt or crossbar on the inside when not otherwise controlled or locked by electric power operation. If a padlock is used, it shall be of hardened steel shackle, with minimum four-pin tumbler operation. Doors utilizing a cylinder lock shall have a minimum five (5) pin tumbler operation with the locking bar or bolt extending into the receiving guide a minimum of one (1) inch. The bar bolt shall have a one-half (1/2)

inch diameter opening for attaching a padlock. In the event this type of door provides the only entrance to the front of the building, a cylinder lock or padlock may be used on the outside.

2. **Metal accordion, grate or grill-type doors.** All metal accordion, grate or grill-type doors shall be equipped with a metal guide track at the top and bottom, and a cylinder lock and/or padlock with hardened steel shackle and a minimum four-pin tumbler operation.
3. **Rolling overhead doors.** All rolling overhead doors which are not controlled or locked by electric power operation shall be equipped on the inside with the following protective devices:
  - (i) Manually operated doors shall be provided with slide bolts on the bottom bar.
  - (ii) Chain-operated doors shall be provided with a cast iron keeper and pin for securing the hand chain.
  - (iii) Crank-operated doors shall be provided with a means for securing the operating shaft.
4. **Outside hinges.** Outside hinges on all doors shall be provided with nonremovable pins.
5. **Construction standards.** The construction of any door shall comply with the standards for construction of frames, jambs and strikes, as set forth in Sec. 8.241.f.

c. **Accessible exterior windows.**


1. Accessible rear and side windows not viewable from the street shall consist of burglary-resistant glass or equally resistant glasslike material.
2. Exterior windows of the type which can be opened shall be secured on the inside with an easily accessible locking device capable of withstanding a force of one hundred fifty (150) pounds of pressure applied in any direction. An auxiliary locking device shall also be required; or windows shall meet California Window Manufacturers Association standards, CMBSO 1-79 and/or CAWM 301-90.
3. Louvered windows shall not be used within eight (8) feet of ground level, adjacent structures or fire escapes.

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4. Outside hinges on all accessible side and rear glass windows shall be provided with nonremovable pins. If the hinge screws are accessible, the screws shall be of the nonremovable type.

**d. Transoms, skylights and other accessible exterior openings.**


1. All exterior transoms, glass skylights and other openings of glass which are accessible from any surface on the premises shall be constructed of burglary-resistant glass or equally resistant glasslike material.
2. In addition, all exterior transoms, glass skylights and other points of entry (excluding windows) into a building which can be opened shall be secured on the inside.

**e. Hatchway openings.**

- 
1. If the hatchway is of wooden material, it shall be covered on the inside with at least sixteen (16) gauge sheet steel or its equivalent attached with screws.
  2. The hatchway shall be secured from the inside with a slide bar or slide bolt with minimum one (1) inch throw.
  3. Outside hinges on all hatchway openings shall be provided with nonremovable pins when using pin-type hinges.

**f. Air duct or air vent openings.**

1. All air duct or air vent openings exceeding eight (8) inches by twelve (12) inches on the roof or exterior walls of any building shall be secured by covering the same with either of the following:
  - (i) Iron bars of at least one-half (1/2) inch round or one (1) inch by one-fourth (1/4) inch flat steel material, spaced no more than six (6) inches apart and securely fastened; or
  - (ii) Iron or steel grills of at least one-eighth (1/8) inch thickness with mesh not to exceed two (2) inches and secured with nonremovable type screws.
  - (iii) If the barrier is on the outside, it shall be secured with galvanized rounded-head flush bolts of at least three-eighths (3/8) inch on the outside.

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- g. Construction of door assemblies.** The installation and construction of door assemblies shall be carried out in accordance with the standards for the

construction and installation of frames, jambs and strikes in single-family dwellings and duplexes as set forth in Sec. 8.241.f. of Division 2 of this article.

**h. Special security measures.**

1. **Safes.** Commercial establishments having five hundred dollars (\$500) or more in cash on the premises after closing hours shall lock such money in an approved money safe with a minimum rating of Underwriters' Laboratory TL-15 or equivalent to offer a limited degree of protection against expert burglary by common hand tools. If the safe weighs less than seven hundred fifty (750) pounds or is mounted on wheels, it shall be anchored to the floor.
2. **Office building—"multiple-occupancy."** All entrance doors to individual office suites, leased or rented to persons other than the owner, shall have a dead bolt lock.

**i. Lighting requirements.**

1. All exterior doors of a commercial or industrial building shall be illuminated with a minimum of 1.0 footcandle of light.
2. Any nonresidential building with an open parking lot providing more than ten (10) parking spaces shall be lit in accordance with a detailed plot plan which must be submitted prior to initiation of construction that shows the light levels on the entire parking lot and which is further supported by certification that the lighting equipment is operating as designed and is not causing inappropriate off-site glare.
3. A level of lighting shall be used on the exterior of the building that is reasonably sufficient for the deterring of criminal attack to person or property.
4. All required lighting shall be designed to turn on automatically. In addition, lighting shall be designed and installed on the premises in such a manner so as to avoid causing off-site glare or nuisance.

**SEC. 8.253. — 8.269. - Reserved.**

**ARTICLE XII. - PARK LAND DEDICATION OR FEES IN LIEU THEREOF FOR SINGLE LOT DEVELOPMENTS**

**SEC. 8.270 to 8.278. - Repealed by Ord. No. 4.97, 3/25/97.**

**ARTICLE XIII. - EARTHQUAKE HAZARD REDUCTION IN EXISTING BUILDINGS**

**SEC. 8.280. - Purpose.**

The purpose of this article is to promote public safety and welfare by reducing the risk of death or injury that may result from the effects of earthquakes on unreinforced masonry bearing wall buildings constructed prior to 1933. The provisions of this article are intended as minimum standards for structural seismic resistance established primarily to reduce the risk of loss of life or injury and to reduce earthquake damage to rehabilitated buildings.

**SEC. 8.281. - Scope.**

The provisions of this article shall apply to all buildings constructed or under construction prior to 1933, which have bearing walls constructed of unreinforced masonry. This article shall not apply to: Group M occupancies; Detached Group R, Division 3 occupancies; Detached Group R, Division 1 occupancies with less than five (5) dwelling units used solely for residential purposes; nor to any undamaged building less than nine hundred (900) square feet and containing less than five (5) occupants as determined by 33-A of the 1985 Uniform Building Code. The 1985 Uniform Building Code has been determined to be applicable where noted in this article because existing unreinforced masonry buildings could be rehabilitated to meet these standards and criteria, thereby encouraging the conservation and preservation of older buildings and enhancing the character of the community.

**SEC. 8.282. - Definitions.**

"Bearing wall" is any wall supporting a floor or roof where the total superimposed load exceeds one hundred (100) pounds per linear foot, or any unreinforced masonry wall supporting its own weight when over six (6) feet in height.

"Building" shall mean, for purposes of engineering evaluation, the entire structure or a portion thereof which will respond to seismic forces as a unit.

"Civil engineer or structural engineer" shall mean a licensed civil or structural engineer registered by the State of California pursuant to the rules and regulations of Title 16, Chapter 5 of the California Administrative Code.

"Cross walls" are interior walls of masonry or wood frame construction with surface finish of wood lath and plaster, minimum one-half (1/2) inch thick gypsum



wallboard or solid horizontal wood sheathing. In order to be considered as a cross wall within the intent of this article, the cross walls shall be spaced at not more than forty (40) feet apart in each story, and shall be full story height with a minimum length of one and one-half (1-1/2) times the story height.

“Essential facilities” shall be those structures or buildings housing an occupancy or use classified as essential facilities under the earthquake regulations of the building code.

“Unreinforced masonry bearing wall” shall mean a masonry wall having all of the following characteristics:

- (1) Provides the vertical support for a floor or roof;
- (2) The total superimposed load is over one hundred (100) pounds per linear foot; and
- (3) The area of reinforcing steel is less than fifty (50) percent of that required by the 1985 Uniform Building Code.

“Unreinforced masonry (URM) building” is any building built prior to 1933 containing walls constructed wholly or partially with any of the following materials:

- (1) Unreinforced brick masonry;
- (2) Unreinforced concrete masonry;
- (3) Hollow clay tile;
- (4) Adobe or unburned clay masonry; or
- (5) Any other unreinforced tile or masonry construction material.

Except as otherwise defined herein, all formulas, symbols and engineering terms shall be as defined in the 1985 edition of the Uniform Building Code and the 1988 edition of the Uniform Code for Building Conservation.

#### **SEC. 8.283. - General requirements.**

- a. **Structural analysis; upgrade or demolition.** The owner of a building within the scope of this article shall cause a structural analysis of the building to be made by a civil or structural engineer licensed by the State of California. If the building does not meet the minimum earthquake standards specified in this article, the owner shall either cause the building to be structurally altered to conform to such standards, or cause the building to be demolished.

b. **Time limits.** The owner of a building within the scope of this article shall comply with the requirements set forth above by submitting the following to the building official for review within the stated time limits:

- (1) Within two hundred seventy (270) calendar days after the effective date of this article, a structural analysis, or the data, which is subject to approval by the chief building official, and which shall demonstrate that the building meets the minimum requirements of this article; or
- (2) Within two hundred seventy (270) calendar days after the effective date of this article, a structural analysis and plans for the proposed structural alterations of the building necessary to comply with the minimum requirements of this article; or
- (3) Within two hundred seventy (270) calendar days after the effective date of this article, plans for the demolition of the building.
- (4) The owner shall obtain a building permit or a demolition permit, commence and complete the required construction or demolition within the time limits set forth in Table No. 8.283-A. These time limits shall begin to run from the date this article becomes effective.
- (5) Within two (2) years after the effective date of this article, a building permit shall be obtained, and all structural upgrade work designated in the plans approved by the building official must be completed or the building shall be demolished.

**TABLE NO. 8.283-A  
TIME LIMITS FOR COMPLIANCE <sup>1</sup>**

| REQUIRED ACTION BY OWNER  | TIME FRAME FOR COMPLIANCE                                   |
|---|---|
| Structural Analysis   |   |
| Building owner submits structural analysis or other data indicating that the building complies with this article; OR              | 270 calendar days after the effective date of this article. |
| Building owner submits structural analysis and plans for proposed structural alterations of the building to ensure compliance; OR |   |
| Building owner submits plans for the demolition of the building.  |   |

| Structural Upgrade  |   |
|---|---|
| City council shall establish a mandatory compliance date for completion of URM building structural upgrade for demolition.  | Within 120 calendar days from the end of the 270 calendar day structural analysis period. |
| Letter of Intent  |   |
| Building owner shall submit a letter of intent to the building official stating intent to upgrade or demolish building.   | Within 180 calendar days after council adopts the mandatory compliance date.              |
| <sup>1</sup> Where two or more adjacent buildings under separate ownership are to be rehabilitated simultaneously, an extension may be allowed, with a suggested minimum extension of six (6) months. An extension could be granted on submission of a binding agreement between the owners involved, with the actual date of compliance to be determined by the chief building official. |   |

**SEC. 8.284. - Administration.**

- a. **Service of order.** The chief building official shall issue an order to the owner of each building within the scope of this article within thirty (30) calendar days from the effective date of this article.
- b. **Contents of order.** The order shall be in writing and shall be served either personally or by certified mail upon the owner as shown on the last equalized assessment. The order shall specify that the building has been determined by the building official to be within the scope of this article and is required to meet minimum seismic standards. The order shall inform the owner(s) of alternatives and time limits for compliance.
- c. **Appeal.** The owner may appeal the chief building official's initial determination that the building is within the scope of this article to the city council as described in Chapter 8, Sec. 8.5 of the City Code, except that for purposes of this article, said section shall not be limited to building permit applicants, and, further, such appeal shall be filed with the city clerk within sixty (60) calendar days from the service date of the order.
- d. **Recordation.** Unless an appeal has been filed within the required sixty (60) calendar days after service of the order, the chief building official shall file with the office of the county recorder a certificate stating that the subject building is within the scope of Chapter 8, Article XIV of the Mountain View City Code relating to earthquake hazard reduction in existing buildings. Following a determination by council that the building is subject to this article, the recordation shall be filed within twenty-one (21) calendar days of such council determination. The certificate

shall also state that the owner has been ordered to structurally analyze the building and to alter it to comply with this article or demolish it. If the building is found not to be within the scope of this chapter, or as a result of analysis and/or structural alterations is found to be capable of resisting minimum seismic forces required by this article, or is demolished, the chief building official shall file with the office of the county recorder a certificate terminating the status of the subject building as being classified within the scope of this article.

- e. **Tenant noticing.** The chief building official shall notify building tenants that the building they are occupying has been noticed with the office of the county recorder as "potentially earthquake hazardous" and that the building owner has been ordered to comply with this article.
- f. **Letter of intent.** The owner of a subject building which is not demolished or removed from the list of URM buildings shall be required to provide the chief building official with a letter of intent within one hundred eighty (180) calendar days after the council adopts the mandatory compliance date. In this letter of intent, the building owner shall declare whether he/she intends to upgrade or demolish the URM building.
- g. **Enforcement.** If the owner or other person in charge or control of the subject building fails to comply with any order issued by the chief building official pursuant to this article within any of the time limits set forth in Sec. 8.283, the chief building official shall order the entire building vacated and it shall remain vacated until compliance with the order has been achieved. If compliance with such order has not been accomplished within ninety (90) calendar days after the date the building has been ordered vacated, the chief building official may commence proceedings under Chapter 8, Sec. 8.4, Unsafe Buildings, of the Mountain View City Code.

#### **SEC. 8.285. - Procedures for investigation.**

Each owner of a building which is determined to be subject to this article shall employ a licensed civil engineer or structural engineer registered by the State of California pursuant to the rules and regulations of Title 16, Chapter 5 of the California Administrative Code to prepare the investigation and engineering report as outlined below. Their objective is to investigate, in a thorough and unambiguous fashion, the building's structural systems that resist the forces imposed by earthquakes and to determine if any individual portion or combination of these systems is inadequate to prevent a structural failure (collapse or partial collapse). Each building shall be treated as an individual case without prejudice or comparison to similar type or age buildings which may have greater or lesser earthquake resistance.

Generalities or stereotypes are to be avoided in the evaluation process by focusing on the specifics of the structural system of the building in question and the local

geology of the land on which the building is constructed. Some buildings will require extensive testing and field investigation to uncover potential structural deficiencies, while others will allow the same level of overall evaluation by a less complicated process due to simplicity of design or the availability of original or subsequent alteration design and construction documents. It is the responsibility of the engineer performing the evaluation to choose the appropriate level of investigation which will produce a report that is complete and can serve as a sound basis for a conclusion on the collapse hazard the building may present. The licensed civil or structural engineer shall base their investigation and analysis on the following protocol and criteria:

- a. **Preliminary field survey.** From existing plans or from field investigation, prepare framing plans for roof and upper floors noting all beams, trusses and major lintels at bearing walls. Prepare elevations of all URM walls noting the location and size of all openings in the walls.
- b. **Items for special investigation.**
  - (1) Identify and include on the plans all parts of the vertical load-carrying system that may act as ties to lateral load-resisting elements, to determine the elements that may control the relative displacement between the building's base and roof.
  - (2) Identify and include on the plans all interior cross walls that are continuous between the ground floor and roof, noting if these are connected to the upper floor or roof by methods other than attachment of wall and ceiling finishes.
  - (3) Examine and draw the relationship of the roof or floor framing to the ceiling framing (if separate) to determine the method, if any, of their interconnection.
  - (4) Identify and include on the plans the support system for any URM walls that are not continuous to the base of the building, noting the materials used for this support (i.e., steel frame).
  - (5) Identify and include on the plans a description of the floor and roof sheathing and its attachment. Note any difference in materials on a given level that could lead to substantial variations in diaphragm stiffness. Note the size and location of openings in diaphragms adjacent to URM walls. Identify the roof covering system used and note if there are locations where it is on a cricket or other superimposed deck. Verify if roof sheathing is continuous to all walls being used as bracing elements.

A thorough investigation of the roof diaphragm is necessary to permit the evaluation of the compatibility of its stiffness with the out-of-plane stability of the URM

walls of the story immediately below the roof and floors, as required in Sec. 8.286(c) of the analysis procedure of this article.

Exception: Where the damage conditions of a building prevent adequate investigation of any of the items listed above, the chief building official may exempt those upon request from the engineer performing the investigation. Assumptions regarding structural conditions or materials not directly observed or taken from existing plans must be clearly noted in the investigation report and analysis.

- c. **Investigation of existing anchorage of URM walls to upper floor and roof.** Indicate the location of all existing wall anchors on the roof/floor framing plans and specify their spacing, size and method of connection. If existing anchors are to be utilized as connections for resisting lateral force in the analysis, these will require testing as specified in subsection e(1) of this section.
- d. **Investigation of existing URM walls.** Investigate the following items if they occur in the building, and determine:
  - (1) The thickness of URM walls at all levels and location of any changes in thickness; substantial changes in wall thickness or stiffness shall be considered in the analysis for out-of-plane and in-plane wall stability; variations in wall stiffness caused by nominal openings such as windows and doors need not be considered; and
  - (2) The materials used for lintels or arches at openings and their bearing area and connection to supporting columns or piers; the materials used for columns or piers supporting lintel beams or arches; and
  - (3) The heights of parapet, cornices and gable ends of URM walls above the uppermost existing anchorages; and
  - (4) The anchorage or bonding of terra cotta, cast-stone brick veneer or similar facing materials to the backup wythes of brickwork at cornices and other architectural appendages; and
  - (5) The coursing of exterior wythes of masonry, the bonding of wythes of masonry, and the materials used in each wythe. An examination of the wall joint between wythes (collar joint) must be made at each in-plane shear test location to estimate the percentage of wythe-to-wythe mortar coverage, and the estimate shall be reported with the results of the tests;

Wythes of walls not bonded as described below shall be considered veneer;

The veneer wythe shall not be included in the effective thickness of the wall used to calculate the height-to-thickness ratio, and the shear capacity of the wall and methods for its adequate anchorage must be devised;

All units of URM bearing and nonbearing walls shall be laid with full shoved mortar joints; all head, bed and collar joints shall be solidly filled with mortar; and the bonding of adjacent wythes of multi-wythe walls shall be as follows: the facing and backing shall be bonded so that not less than four (4) percent of the wall surface of each face is composed of headers extending not less than four (4) inches into the backing. The distance between adjacent full length headers shall not exceed twenty-four (24) inches vertically or horizontally. In walls where a single header does not extend through the wall, headers from the opposite sides shall overlap at least four (4) inches, or headers from opposite sides shall be covered with another header course overlapping the header below at least four (4) inches; and

- (6) The condition of mortar joints and the location of any existing cracks or damaged portions of wall elements;

Exception: Where the damage conditions of a building prevent adequate investigation of any of the items listed above, the chief building official may exempt those upon request from the engineer performing the investigation; assumptions regarding structural conditions or materials not directly observed or taken from existing plans must be clearly noted in the investigation report and analysis.

- e. **Testing.** The testing of existing anchorage systems must be made to determine an average capacity where these anchors are to be used in the analysis of the building's current resistance to lateral forces. The testing of existing URM walls to determine the allowable bed-joint shear is required for all buildings.

- (1) **Existing wall anchors in URM walls.** Five (5) percent of the existing rod anchors shall be tested in pullout by an approved testing laboratory. The minimum tested quantity shall be four (4) per floor or roof level with two (2) tests where framing is perpendicular to the wall and two (2) where framing is parallel to the wall.

The test apparatus shall be supported on the masonry wall at a minimum distance of the wall thickness from the anchor tested. Where, due to obstructions, this is not possible, details of the condition encountered and the alternate method used must be included in the test report, with calibration adjustment for conditions where the reaction of the test apparatus contributes to the tension value of the anchor. The rod anchor shall be given a preload of three hundred (300) pounds prior to establishing a datum for recording elongation. The tension load reported shall be recorded at 1/8" relative movement of the anchor to the adjacent masonry wall surface.

- (2) **In-place shear test of brick masonry.** The bed joints of the outer wythe of the masonry shall be tested in shear by laterally displacing a single brick relative to the adjacent bricks in that wythe. The opposite head joint of the brick to be tested shall be removed and cleaned prior to testing. Steel bearing plates of the full dimension of the brick shall be inserted at each end of the test jack. The bearing plates shall not contact the mortar joints. The shear stress shall be based on the gross area of both bed joints and shall be that at which movement of the adjacent brick is first observed.

The minimum quality mortar in eighty (80) percent of the shear tests shall not be less than the total of thirty (30) psi when reduced to an equivalent zero (0) axial stress. If the larger height-to-thickness ratios allowed by Footnote Nos. 5 and 6 of Table 8.285-A are to be utilized in the analysis, all shear tests taken at the top story must be included in the eighty (80) percent of the shear tests used to determine the minimum mortar shear strength.

The minimum quantity of tests shall be as follows: At each story not less than two (2) per wall line or line of wall elements providing a common line or resistance to lateral forces, with not less than one (1) per one thousand five hundred (1,500) square feet of wall surface and not less than a total of eight (8) per building. In single-story buildings, the wall above the lintel beam at an open storefront need not be tested.

The exact test locations shall be determined by the engineer responsible for the investigation and noted on the documents submitted to the city. The tests should be conducted at least two (2) brick courses above or below the bond course and be distributed vertically to include a variety of dead load surcharge conditions. Test locations shall be representative of the mortar conditions throughout the entire building, taking into account variations in workmanship, variations in weathering of exterior surfaces and variations of interior surfaces due to deterioration caused by leaks and condensation of water and/or by other deleterious conditions affecting the building.

**TABLE 8.285-A**  
**ALLOWABLE VALUE OF HEIGHT-TO-THICKNESS (H/T) RATIO OF URM**  
**WALLS WITH MINIMUM QUALITY MORTAR <sup>1,2</sup>**

|  | Buildings with Complying Cross Walls <sup>3</sup> | All Other Buildings |
|--|---|---------------------|
| One-story building walls                   | 13-16 <sup>4,5,6</sup>                            | 13                  |
| First-story walls of multi-story buildings | 16  | 15                  |



|   |              |    |
|---|--------------|----|
| Walls in top story of multi-story buildings | 9-14 4, 5, 6 | 9  |
| All other walls                             | 16           | 13 |

Footnotes:

<sup>1</sup> Minimum quality mortar shall be determined by testing described in subsection e(2) of Sec. 8.285 of this article, Procedures for Investigation, and shall include all top story tests in the eighty (80) percent of tests used in the higher ratio values permitted in Footnote Nos. 5 and 6 are used.

<sup>2</sup> See subsection (c) of this section for determination of the demand capacity ratio values to be used in conjunction with Figure 8.286-D to determine if the building can qualify as a building containing cross walls.

<sup>3</sup> Qualifying cross walls are defined as interior walls of masonry or wood frame construction with surface finish of wood lath and plaster, one-half (1/2) inch thick gypsum board, or solid horizontal wood sheathing. They may not exceed forty (40) feet horizontal separation, must be continuous through all stories and have a minimum length of one and one-half (1-1/2) times the story height.

<sup>4</sup> The minimum mortar strengths required in Footnote Nos. 5 and 6 shall be the test shear strength reduced by the effect of axial stress in the wall at the point of the test.

<sup>5</sup> The larger height-to-thickness ratio may be used where mortar shear tests establish a minimum mortar shear strength of not less than 100 psi or where the tested mortar shear strength is not less than 60 psi and a visual examination of the vertical wythe-to-wythe (collar) joint indicates not less than fifty (50) percent mortar coverage.

<sup>6</sup> Where a visual examination of the collar joint indicates not less than fifty (50) percent mortar coverage and the minimum mortar shear strength is greater than thirty (30) psi but not less than sixty (60) psi, the allowable h/t ratio may be determined by linear interpolation between the larger and smaller values given in direct proportion to the mortar shear strength.

**SEC. 8.286. - Standards for the analysis and evaluation.**

a. **Structural analysis procedures.** Multiple-story buildings and/or buildings with an occupancy exceeding one hundred (100) shall be required to comply with more restrictive seismic engineering criteria as set forth herein.

(1) The total seismic forces should be computed in accordance with the following equation:

$$V = ZIKCSW$$

WHERE:

The value of KCS need not exceed one hundred (100) for one-story buildings with an occupant load of less than one hundred (100); and need not exceed .133 for buildings over one (1) story above grade or those one-story buildings with one hundred (100) or more occupants.

The value of Z and I shall equal 1.0.

The value of W shall be as defined in Chapter 23 of the 1985 Uniform Building Code (UBC).

- (2) Parts or portions of the building shall be analyzed for lateral loads in accordance with Chapter 23 of the 1985 UBC but not less than the value from the following equation:

$$F_p = IC_p SW_p$$

WHERE: The product of IS need not exceed 1.0, then the value of  $C_p$  shall be as set forth in Table 23-j of the 1985 UBC.

The value of  $W_p$  shall be as defined in the 1985 UBC.

Exception: URM walls may be analyzed as indicated in subsection (b) below.

- (3) The structural elements of the building required to be analyzed shall include the following:

Wall height-to-thickness ratio and in-plane shear forces; and

Tension bolts (in bending) if used to resist lateral forces; and

Walls and parapets for out-of-plane loading; and

Diaphragm stress and diaphragm chords at floors and roof.

- (4) Anchorage and interconnection of all parts, portions and elements of the structure resisting lateral forces shall be analyzed in accordance with the 1985 UBC and the formula in subsection (2) above.

A complete and continuous load path from every part or portion of the structure to the foundation shall be shown to exist for the required lateral forces. All parts, portions and elements of the structural systems shall be shown to be interconnected by an adequate positive means.

- (5) Except as modified herein, the lateral analysis of the building shall be in accordance with the analysis specified in the 1985 UBC.

Stresses in existing materials and construction utilized to transfer seismic forces shall conform to either those permitted by the 1985 UBC or those permitted for types of materials and configurations specified in Table 8.286-A or those described in subsection (b) below. When calculating shear of diagonal tension stresses due to seismic forces, existing masonry shear walls may be allowed to resist 1.0 times the required forces in lieu of the 1.5 factor required by the 1985 UBC.

- (6) Masonry walls shall be anchored to all floors and the roof and shall resist a minimum of two hundred (200) pounds per linear foot applied to the wall at the level of the floor or the roof or shall be considered inadequate. No allowable tension stress will be permitted in URM walls which are not capable of resisting the required design forces specified in this section.

In addition to seismic forces, URM walls shall be analyzed as specified in Chapter 24 of the 1985 UBC to withstand all vertical loads.

Exception: URM walls which carry no design loads other than their own weight may be considered veneer if they are adequately anchored to elements which are not part of the existing lateral force resisting system. See subsection d(5) of Sec. 8.285 of this article, Procedures for Investigation, to determine if existing walls must be considered as veneer.

- (7) If stresses in existing lateral force resisting elements are adequate to withstand the combination of dead and live plus seismic loads, then the allowable working stress specified in the 1985 UBC may be increased by one hundred (100) percent. However, no increase will be permitted in excess of the stresses allowed in subsection (b) below. Also, the stresses in members due to only seismic and dead loads shall not exceed the values permitted in the 1985 UBC. In addition, the calculated tensile fiber stress due to seismic forces may be reduced by the full direct stress due to vertical dead loads.

**(b) Materials of construction.**

- (1) Unreinforced masonry walls analyzed in accordance with this section may provide support for roof and floor construction and resistance to lateral loads under the conditions set forth below.

The bonding of such walls shall conform to those standards specified in subsection d(5) of Sec. 8.285 of this article, Procedures for Investigation.

Tension stresses due to seismic forces applied to the wall may be disregarded if the wall does not exceed the height-to-thickness ratio and does not exceed the allowable in-plane shear stresses due to seismic loads set forth in Tables 8.285 and 8.286-B, respectively.

If the wall height-to-thickness ratio exceeds the specified limits, the wall will be considered inadequate unless braced by vertical members designed to satisfy the requirements of the 1985 UBC. The deflection of such bracing members at design loads shall not exceed one-tenth of the wall thickness.

Exception: The wall may be supported by flexible vertical bracing members that comply with the requirements of subsection a(2) of this section if the deflection at design loads is not less than one-quarter nor more than one-third of the wall thickness in the story under consideration.

Any existing or new vertical bracing used for this purpose shall be attached to floor and roof construction independently of existing wall anchors and the horizontal spacing of the members shall not exceed one-half the unsupported height of the wall or ten (10) feet, whichever is greater.

- (2) Minimum acceptable quality of existing URM walls. All unreinforced masonry walls utilized to carry vertical loads and seismic forces parallel and perpendicular to the wall plane shall be tested as specified in subsection e(2) of Sec. 8.285 of this article, Procedures for Investigation. All masonry used to resist seismic forces shall be undamaged by shear failure cracking and be of a quality not less than the minimum standards established or shall be considered inadequate.

Pointing of all masonry wall joints may be performed prior to the testing if joints are raked and cleaned to remove loose and deteriorated mortar. Mortar pointing shall be Type S or N, except masonry cements shall not be used. All preparation and pointing shall be done under the continuous inspection of a special inspector whose reports shall be included in the testing report.

The design seismic in-plane shear stresses shall be related to test results in accordance with Table 8.286-B. Intermediate values between 5 and 10 psi may be interpolated.

Compression stresses for unreinforced masonry having a minimum design shear value of 3 psi shall not exceed 100 psi and design tension values shall not be permitted.

- (3) Existing roof, floors, and walls. Existing undamaged materials, including wood shear walls, may be analyzed as part of the lateral load resisting system, provided that the stresses in these materials do not exceed the values shown in Table 8.286-A. New plywood shear walls designed in accordance with the 1985 UBC may be recommended to strengthen portions of the existing seismic resisting system.

Diaphragm chord stresses of horizontal diaphragms shall be developed in existing materials to meet these standards or shall be considered inadequate.

(4) Minimum URM wall anchorage. All URM walls shall be anchored at both floors and roof by existing rod anchors at a maximum spacing of six (6) feet and be secured to the joists or rafters to develop the required forces. At the building corners, at roof and floor levels, combination shear and tension anchors shall be located not more than two (2) feet horizontally from the inside corners of the wall. Testing of existing rod anchors shall be conducted according to subsection e(1) of Sec. 8.285 of this article, Procedures for Investigation. Walls without anchors at the necessary locations, spacing or capacity will be considered inadequate.

(5) Minimum vertical support. Where trusses or beams other than rafters or joists and beams supporting walls above open storefronts are supported on URM piers, these piers must be evaluated and shown to provide adequate vertical support during seismic loading or shall be independently supported by a vertical element other than the URM wall pier.

(6) Minimum parapet bracing. Parapets and exterior wall appendages not capable of resisting the forces specified in subsection (a) of this section shall be considered hazardous. The maximum height of an unbraced URM wall parapet above the lower of either the level of existing adequate tension anchors or the roof sheathing, shall not exceed one (1) and one-half (1-1/2) times the thickness of the parapet wall.

(c) **Design check for compatibility of roof diaphragm stiffness to the out-of-plane stability of URM walls.**

(1) **General.** The requirements of this subsection are in addition to the other analysis requirements of subsection (a). This subsection contains a procedure for the evaluation of the out-of-plane stability of unreinforced masonry walls anchored to wood diaphragms. The relative stiffness and strength of a diaphragm governs the amount of amplification of seismic ground motion by the diaphragm, and therefore, a diaphragm stiffness and strength-related check of the out-of-plane stability of URM walls must be performed.

(2) **Definitions.** The following definitions are applicable to this section:

CROSS WALL is a wood-framed wall having a height-to-length ratio complying with 1985 UBC Section 4713(d) or Table 25-I and is sheathed with any of the materials described in Table 8.286-C. The total strength of all cross walls located within any forty (40) feet length of diaphragm measured in the direction of the diaphragm span shall not be less than thirty (30) percent of the strength of the diaphragm in the direction under consideration.

DEMAND CAPACITY RATIO (DCR) is a ratio where:

Demand equals lateral forces consisting of thirty-three (33) percent of the weight of the diaphragm and the tributary weight of walls and other elements anchored to the diaphragm.

Capacity equals the diaphragm's total shear strength in the direction under consideration as determined using the values in Table 8.286-C.

$D$  = the depth of the diaphragm, in feet, measured perpendicular to the diaphragm span.

$h/t$  = the height-to-thickness ratio of an unreinforced masonry wall. The height shall be measured between wall anchorage levels and the thickness shall be measured through the wall cross section at the level under consideration.

$L$  = span of diaphragm between masonry shear walls or steel.

$V_c$  = the total shear capacity of cross walls in the direction of analysis immediately below the diaphragm level being investigated as determined by using Table 8.286-C.

$V_u$  = maximum shear strength in pound per foot for a diaphragm sheathed with any of the materials given in Table 8.286-C.

$W_d$  = total dead load of the diaphragm plus the tributary weight of the walls anchored to the diaphragm, the tributary ceiling and partitions, and the weight of any other permanent building elements at the diaphragm level under consideration.

(3) **Design check procedure.** The demand-capacity ratio (DCR) shall be calculated by the following equations:

| Buildings without cross walls | Buildings with cross walls     |
|-------------------------------|--------------------------------|
| $DCR = 0.33W_d / 2Dv_u$       | $DCR = 0.33 W_d, 2v_u D + V_c$ |

**Diaphragm deflection.** The calculated DCR shall be the left of the curve in Figure 8.286-D. Where the calculated DCR is outside (to the right) of the curve, the diaphragm's deflection limits are exceeded and cross walls are needed to reduce the deflection.

**URM wall out-of-plane stability.** The DCR shall be calculated discounting any existing cross walls. If this DCR value corresponding to the diaphragm span is to the right of the curve in Figure 8.286-D, the region within the curve at and below the

intersection of the diaphragm span with the curve may be used to determine the allowable h/t values per Table 8.285-A.

TABLE 8.286-A

ALLOWABLE STRESS VALUES FOR EXISTING MATERIALS FOUND TO BE  
UNDAMAGED AND IN GOOD CONDITION

|   |  |
|---|--|
| 1. Horizontal Diaphragms  |  |
| a. Roofs with straight sheathing with the roof covering applied directly to the sheathing   | 100 PLF for seismic shear                                  |
| b. Roofs with diagonal sheathing with the roof covering applied directly to the sheathing   | 400 PLF for seismic shear                                  |
| c. Floors with straight tongue and groove sheathing   | 150 PLF for seismic shear                                  |
| d. Floors with straight sheathing and finished wood flooring  | 300 PLF for seismic shear                                  |
| e. Floors with diagonal sheathing and finished wood flooring  | 450 PLF for seismic shear                                  |
| f. Floors or roofs with straight sheathing and plaster applied to the joists or rafters below   | Add 50 PLF to the allowable values for items 1a and 1c     |
| 2. Shear Walls  |  |
| a. Wood stud walls with lath and plaster in undamaged condition   | 100 PLF each side for seismic shear                        |
| 3. Plain Concrete Footings  | $f'c=1,500$ PSI unless otherwise shown by tests            |
| 4. Douglas Fir Wood <sup>1</sup>  | Same as 1985 UBC values for No. 1 Douglas Fir <sup>1</sup> |
| 5. Reinforcing Steel <sup>1</sup>   | $f_t=18,000$ PSI maximum <sup>1</sup>                      |
| 6. Structural Steel <sup>1</sup>  | $f_t=20,000$ PSI maximum <sup>1</sup>                      |
| Footnote:   |  |
| <sup>1</sup> Stresses may be increased for combination of loads as specified in subsection a(7) of this section, Standards for Analysis and Evaluation. |  |

**TABLE 8.286-B**

**ALLOWABLE SHEAR STRESS FOR TESTED URM WALLS**

| 80 Percent of Test Results in PSI Not Less Than:   | Allowable In-Plane Shear in PSI based on Gross Area <sup>1</sup> |
|--|--|
| 30 + Axial Stress  | 3.0  |
| 40 + Axial Stress  | 4.0  |
| 50 + Axial Stress  | 5.0  |
| 100 + Axial Stress or more <sup>1</sup>  | 10.0 (maximum)   |
| Footnote:  |  |
| <sup>1</sup> The allowable shear stress may be increased by addition of 10 percent of the axial stress due to the weight of the wall directly above. |  |

**TABLE 8.286-C**

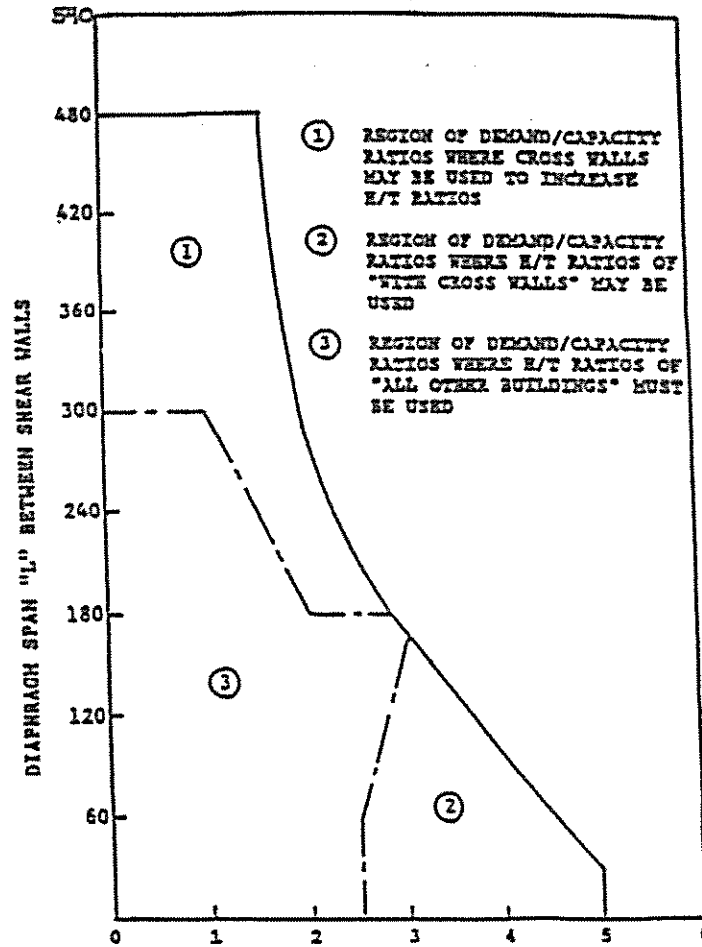
**ALLOWABLE VALUES FOR EXISTING MATERIALS**

| Existing Materials or Configurations of Materials <sup>1</sup>  | Allowable Values                    |
|---|-------------------------------------|
| 1. Horizontal diaphragms <sup>4</sup>   |                                     |
| a. Roofs with straight sheathing and roofing applied directly to the sheathing                        | 100 lbs. per foot for seismic shear |
| b. Roofs with diagonal sheathing and roofing applied directly to the sheathing                        | 250 lbs. per foot for seismic shear |
| c. Floors with straight tongue-and-groove sheathing   | 100 lbs. per foot for seismic shear |
| d. Floors with straight sheathing and finished wood flooring with board edges offset or perpendicular | 500 lbs. per foot for seismic shear |
| e. Floors with diagonal sheathing and finished wood flooring  | 600 lbs. per foot for seismic shear |



|   |  |
|---|--|
| 2. Cross walls <sup>2,4</sup>   |  |
| a. Plaster on wood or metal lath  | Per side: 200 lbs. per foot for seismic shear                  |
| b. Plaster on gypsum lath   | 175 lbs. per foot for seismic shear                            |
| c. Gypsum wallboard, unblocked edges  | 75 lbs. per foot for seismic shear                             |
| d. Gypsum wallboard, blocked edges  | 125 lbs. per foot for seismic shear                            |
| 3. Existing footings, wood framing, structural steel and reinforced steel   |  |
| a. Plain concrete footings  | $f'c = 1,500$ psi unless otherwise shown by tests <sup>3</sup> |
| b. Douglas fir wood   | Allowable stress same as D.F. No. 13                           |
| c. Reinforcing steel  | $f_t = 18,000$ lbs. per square inch maximum <sup>3</sup>       |
| d. Structural steel   | $f_t = 20,000$ lbs. per square inch maximum <sup>3</sup>       |
| Footnotes:  |  |
| <sup>1</sup> Materials must be sound and in good condition.   |  |
| <sup>2</sup> Shear values of these materials may be combined, except the total combined value shall not exceed 300 lbs. per foot. |  |
| <sup>3</sup> Stresses given may be increased for combinations of loads as specified in the Building Code.                         |  |
| <sup>4</sup> A one-third increase in allowable stress is not allowed.   |  |

FIGURE 8.286-D



DEMAND/CAPACITY RATIO =  $0.33W_d / 2v_u D$  or  $0.33W_d / 2v_u D + V_c$

**SEC. 8.287. - Adoption of Appendix Chapter 1 of the 1988 Uniform Code for Building Conservation as amended in Chapter 8, Section 8.115 of the Mountain View city code.**

Appendix Chapter I of the 1988 Uniform Code for Building Conservation as amended in Section 8.115 shall be used for the regulation of buildings, identified as unreinforced masonry buildings as defined by Section 8875 et seq. of the California Government Code and listed by the City of Mountain View as "unreinforced masonry buildings." Such list shall be maintained by the chief building official, who may add or delete buildings based on his/her inspection and/or engineering analysis.

**ARTICLE XIV. - REPAIR AND RECONSTRUCTION OF BUILDINGS.**

**SEC. 8.300. - Purpose.**

The purpose of this article is to promote the expeditious repair or reconstruction of structures damaged during a declared emergency in accordance with current building code standards while complying with the eligibility requirements for reimbursement from the federal emergency management agency (FEMA).

**SEC. 8.301. - Section 3402 – Definitions.**

Section 3402.1 of the California Building Code is amended to read:

**Definitions.** The following terms shall, for the purposes of this article and as used elsewhere in the building code, have the following meaning:

**Primary Function.** A primary function is a major activity for which the facility is intended. Areas that contain a primary function include, but are not limited to, the customer service lobby of a bank, the dining area of a cafeteria, the meeting rooms in a conference center, as well as offices and other work areas in which the activities of the public accommodation or other private entity using the facility are carried out. Mechanical rooms, boiler rooms, supply storage rooms, employee lounges or locker rooms, janitorial closets, entrances, corridors and rest rooms are not areas containing a primary function.

**Substantial Structural Damage.** A condition where:

1. In any story, the vertical elements of the lateral-force-resisting system have suffered damage such that the lateral load-carrying capacity of the structure in any direction has been reduced by more than twenty (20) percent from its predamaged condition; or
2. The capacity of any vertical gravity load-carrying component, or any group of such components, that supports more than thirty (30) percent of the total area of the structure's floor(s) and roof(s) has been reduced more than twenty (20) percent from its predamaged condition, and the remaining capacity of such affected elements with respect to all dead and live loads is less than seventy-five (75) percent of that required by the building code for new buildings of similar structure, purpose and location.

**Technically Feasible.** An alteration of a building or facility that has little likelihood of being accomplished because the existing structural conditions require the removal or alteration of a load-bearing member that is an essential part of the structural frame, or because other existing physical or site constraints prohibit modification or addition of elements, spaces or features which are in full and strict compliance with the minimum requirements for new construction and which are necessary to provide accessibility.

**SEC. 8.302. - Section 3403.5 added – Repairs.**

Section 3403.5 is added to the California Building Code to read:

**3403.5.1 Repairs.** Repairs of structural elements shall comply with this section.

**3403.5.1.1 Seismic evaluation and design.** Seismic evaluation and design of an existing building and its components shall be based on the following criteria.

**3403.5.1.1.1 Evaluation and design procedures.** The seismic evaluation and design shall be based on the procedures specified in the building code, ASCE 31, Seismic Evaluation of Existing Buildings (for evaluation only) or ASCE 41, Seismic Rehabilitation of Existing Buildings. The procedures contained in Appendix A of the International Existing Building Code shall be permitted to be used as specified in Section 3403.5.1.1.3.

**3403.5.1.1.2 CBC-level seismic forces.** When seismic forces are required to meet the building code level, they shall be one (1) of the following:

1. One hundred (100) percent of the values in the building code. The R factor used for analysis in accordance with Chapter 16 of the building code shall be the R factor specified for structural systems classified as "Ordinary" unless it can be demonstrated that the structural system satisfies the proportioning and detailing requirements for systems classified as "Intermediate" or "Special."
2. Forces corresponding to BSE-1 and BSE-2 Earthquake Hazard Levels defined in ASCE 41. Where ASCE 41 is used, the corresponding performance levels shall be those shown in Table 3403.5.1.1.2.

**TABLE 3403.5.1.1.2  
ASCE 41 AND ASCE 31 PERFORMANCE LEVELS**

| OCCUPANCY<br>CATEGORY (BASED<br>ON IBC TABLE<br>1604.5) | PERFORMANCE LEVEL FOR<br>USE WITH ASCE 31 AND WITH<br>ASCE 41 BSE-1 EARTHQUAKE<br>HAZARD LEVEL | PERFORMANCE LEVEL<br>FOR USE WITH ASCE 41<br>BSE-2 EARTHQUAKE<br>HAZARD LEVEL |
|---|--|---|
| I   | Life Safety (LS)   | Collapse Prevention (CP)  |
| II  | Life Safety (LS)   | Collapse Prevention (CP)  |
| III   | Note (a)   | Note (a)  |
| IV  | Immediate Occupancy (10)   | Life Safety (LS)  |

NOTE: (a) Performance Levels for Occupancy Category III shall be taken as halfway between the performance levels specified for Occupancy Category II and Occupancy Category IV.

**3403.5.1.1.3 Reduced CBC-level seismic forces.** When seismic forces are permitted to meet reduced building code levels, they shall be one (1) of the following:

1. Seventy-five (75) percent of the forces prescribed in the building code. The R factor used for analysis in accordance with Chapter 16 of the building code shall be the R factor as specified in Section 3403.5.1.1.2.
2. In accordance with the applicable chapters in Appendix A of the International Existing Building Code as specified in Items 2.1 through 2.5 below. Structures or portions of structures that comply with the requirements of the applicable chapter in Appendix A shall be deemed to comply with the requirements for reduced building code force levels.
  - 2.1. The seismic evaluation and design of unreinforced masonry bearing wall buildings in Occupancy Category I or II are permitted to be based on the procedures specified in Appendix Chapter A1.
  - 2.2. Seismic evaluation and design of the wall anchorage system in reinforced concrete and reinforced masonry wall buildings with flexible diaphragms in Occupancy Category I or II are permitted to be based on the procedures specified in Appendix Chapter A2.

2.3. Seismic evaluation and design of cripple walls and sill plate anchorage in residential buildings of light-frame wood construction in Occupancy Category I or II are permitted to be based on the procedures specified in Appendix Chapter A3.

2.4. Seismic evaluation and design of soft, weak or open-front wall conditions in multi-unit residential buildings of wood construction in Occupancy Category I or II are permitted to be based on the procedures specified in Appendix Chapter A4.

2.5. Seismic evaluation and design of concrete buildings and concrete with masonry infill buildings in all Occupancy Categories are permitted to be based on the procedures specified in Appendix Chapter A5.

3. In accordance with ASCE 31 based on the applicable performance level as shown in Table 3403.5.1.1.2.

4. Those associated with the BSE-1 Earthquake Hazard Level defined in ASCE 41 and the performance level as shown in Table 3403.5.1.1.2. Where ASCE 41 is used, the design spectral response acceleration parameters  $S_{XS}$  and  $S_{X1}$  shall not be taken less than seventy-five (75) percent of the respective design spectral response acceleration parameters  $S_{DS}$  and  $S_{D1}$  defined by the International Building Code and its reference standards.

**3403.5.1.2 Wind design.** Wind design of existing buildings shall be based on the procedures specified in the building code.

**3403.5.2 Repairs to damaged buildings.** Repairs to damaged buildings shall comply with this section.

**3403.5.2.1 Unsafe conditions.** Regardless of the extent of structural damage, unsafe conditions shall be eliminated.

**3403.5.2.2 Substantial structural damage to vertical elements of the lateral-force-resisting system.** A building that has sustained substantial structural damage to the vertical elements of its lateral-force-resisting system shall be evaluated and repaired in accordance with the applicable provisions of Sections 3403.5.2.2.1 through 3403.5.2.2.3.

**3403.5.2.2.1 Evaluation.** The building shall be evaluated by a registered design professional, and the evaluation findings shall be submitted to the code official. The evaluation shall establish whether the damaged building, if repaired to its predamaged state, would comply with the provisions of the building code. Wind forces for this evaluation shall be those prescribed in the building code. Seismic forces for this evaluation are permitted to be the reduced-level seismic forces specified in Code Section 3403.5.1.1.3.

**3403.5.2.2.2 Extent of repair for compliant buildings.** If the evaluation establishes compliance of the predamaged building in accordance with Section 3403.5.2.2.1, then repairs shall be permitted that restore the building to its predamaged state, using materials and strengths that existed prior to the damage.

**3403.5.2.2.3 Extent of repair for noncompliant buildings.** If the evaluation does not establish compliance of the predamaged building in accordance with Section 3403.5.2.2.1, then the building shall be rehabilitated to comply with applicable provisions of the building code for load combinations, including wind or seismic forces. The wind design level for the repair shall be as required by the building code in effect at the time of original construction unless the damage was caused by wind, in which case the design level shall be as required by the code in effect at the time of original construction or as required by the building code, whichever is greater. Seismic forces for this rehabilitation design shall be those required for the design of the predamaged building, but not less than the reduced level seismic forces specified in Section 3403.5.1.1.3. New structural members and connections required by this rehabilitation design shall comply with the detailing provisions of the building code for new buildings of similar structure, purpose and location.

**3403.5.2.3 Substantial structural damage to vertical load-carrying components.** Vertical load-carrying components that have sustained substantial structural damage shall be rehabilitated to comply with the applicable provisions for dead and live loads in the building code. Undamaged vertical load-carrying components that receive dead or live loads from rehabilitated components shall also be rehabilitated to carry the design loads of the rehabilitation design. New structural members and connections required by this rehabilitation design shall comply with the detailing provisions of the building code for new buildings of similar structure, purpose and location.

**3403.5.2.3.1 Lateral force-resisting elements.** Regardless of the level of damage to vertical elements of the lateral force-resisting system, if substantial structural damage to vertical load-carrying components was caused primarily by wind or seismic effects, then the building shall be evaluated in accordance with Section 3403.5.2.2.1 and, if noncompliant, rehabilitated in accordance with Section 3403.5.2.2.3.

**3403.5.2.4 Less than substantial structural damage.** For less than substantial structural damage, repairs shall be allowed that restore the building to its predamaged state, using materials and strengths that existed prior to the damage. New structural members and connections used for this repair shall comply with the detailing provisions of the building code for new buildings of similar structure, purpose and location.

### 3403.5.3 Referenced Standards.

| Standard Reference Number | Title  | Referenced in Code Section Number                             |
|---------------------------|--|---|
| ASCE 31-03                | Seismic Evaluation of Existing Buildings     | 3403.5.1.1.1, TABLE 3403.5.1.1.2, 3403.5.1.1.3                |
| ASCE 41-06                | Seismic Rehabilitation of Existing Buildings | 3403.5.1.1.1, 3403.5.1.1.2, TABLE 3403.5.1.1.2, 3403.5.1.1.3" |

Section 2. The provisions of this ordinance shall be effective thirty (30) days from and after the date of its adoption.

Section 3. If any section, subsection, sentence, clause, or phrase of this ordinance is for any reason held to be unconstitutional, such decision shall not affect the validity of the other remaining portions of this ordinance. The City Council hereby declares that it would have passed this ordinance and each 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.

Section 4. Pursuant to Section 522 of the Mountain View City Charter, it is ordered that copies of the foregoing proposed ordinance be posted at least two (2) days prior to its adoption in three (3) prominent places in the City and that a single publication be made to the official newspaper of the City of a notice setting forth the title of the ordinance, the date of its introduction, and a list of the places where copies of the proposed ordinance are posted.

Section 5. This ordinance is not subject to the California Environmental Quality Act ("CEQA") pursuant to Sections 15060(c)(2) of the CEQA Guidelines (Title 14, Chapter 3 of the California Code of Regulations) (the activity will not result in a direct or reasonable foreseeable indirect physical change in the environment) and 15060(c)(3) (the activity is not a project as defined in Section 15378 of the CEQA Guidelines because it has no potential for resulting in physical change to the environment, directly or indirectly).

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The foregoing ordinance was regularly introduced at the Special Meeting of the City Council of the City of Mountain View, duly held on the 5th day of November 2019, and



thereafter adopted at the Regular Meeting of said Council, duly held on the 12th day of November 2019, by the following roll call vote:

AYES: Councilmembers Clark, Hicks, Kamei, McAlister, Ramirez, Vice Mayor Abe-Koga, and Mayor Matichak

NOES: None

ABSENT: None

NOT VOTING: None

ATTEST:

APPROVED:

  
\_\_\_\_\_  
LISA NATUSCH  
CITY CLERK

  
\_\_\_\_\_  
LISA MATICHAK  
MAYOR

Date of Attestation: 11/15/2019

I do hereby certify that the foregoing ordinance was passed and adopted by the City Council of the City of Mountain View at a Regular Meeting held on the 12th day of November 2019, by the foregoing vote, and was published in the *San Jose Post Record* by reference on the 7th day of November 2019, and posted in three prominent places in said City.

  
\_\_\_\_\_  
City Clerk  
City of Mountain View