

# **ORDINANCE 2046**

**AMENDING THE VENTURA COUNTY  
ORDINANCE CODE,  
ADOPTING BY REFERENCE PORTIONS OF THE  
UNIFORM BUILDING CODE,  
VOLUMES I, II, III, IV AND V AND BUILDING CODE  
STANDARDS, 1967 EDITION,  
UNIFORM PLUMBING CODE, 1967 EDITION,  
UNIFORM WIRING CODE, 1965 EDITION,  
NATIONAL ELECTRICAL CODE, 1965 EDITION,  
AND THE LATEST EDITION OF THE STATE OF  
CALIFORNIA ELECTRICAL SAFETY ORDERS  
CONTAINED IN TITLE 8 OF THE CALIFORNIA  
ADMINISTRATIVE CODE.**

**ADOPTED APRIL 23, 1968.**

ORDINANCE NO. 2046

AN ORDINANCE AMENDING THE VENTURA COUNTY ORDINANCE CODE RELATING TO BUILDING REGULATIONS, ADOPTING BY REFERENCE PORTIONS OF UNIFORM BUILDING CODE, 1967 EDITION, VOLUMES I, II, III, IV AND V AND BUILDING CODE STANDARDS; UNIFORM PLUMBING CODE, 1967 EDITION; UNIFORM WIRING CODE, 1965 EDITION; NATIONAL ELECTRICAL CODE, 1965 EDITION; AND THE LATEST EDITION OF THE STATE OF CALIFORNIA ELECTRICAL SAFETY ORDERS

The Board of Supervisors of the County of Ventura do ordain as follows:

Division 3 of the Ventura County Ordinance Code is hereby amended as follows:

(a) The following sections are hereby retained in their present form and substance:

3103-2.3, 3103-2.5, 3103-3, 3103-3.1.1, 3103-3.2, 3103-3.2.1, 3103-3.3, 3103-7, 3104-2, 3115-2, 3128-12, 3132-1, 3132-2, 3630, 3631, 3631-1, 3631-2, 3631-3, 3632, 3632-1, 3632-2, 3632-3, 3632-4, 3632-4.1, 3632-5, 3632-6, 3633, 3634, 3634-1, 3634-2, 3634-3, 3634-4, 3634-5, 3634-6, 3635, 3636, 3637, 3638, 3640, 3640-1, 3640-2, 3640-2.1, 3640-2.2, 3640-3, 3640-3.1, 3640-4, 3640-4.1, 3640-5, 3640-6, 3640-6.1, 3640-6.2, 3640-6.3, 3640-6.4, 3640-6.5, 3640-6.6, 3640-6.7, 3640-6.8, 3640-6.9, 3640-7, 3652, 3660, 3661 and 3662.

(b) The following sections are hereby retained in substance but renumbered as indicated:

3100-1	to	3050-1	3103-8.1.1	to	8400-1.1
3100-2	to	3050-2	3103-8.1.2	to	8400-1.2
3101-5	to	3101-8.1	3103-8.1.3	to	8400-1.3
3101-6	to	3101-9	3103-8.1.4	to	8400-1.4
3103-8	to	8400	3103-8.2	to	8400-2
3103-8.1	to	8400-1	3103-8.3	to	8400-3

3103-8.4	to	8400-4	3170-11.5	to	3170-10.3
3103-8.5	to	8400-5	3170-11.6	to	3170-10.4
3103-8.6	to	8400-6	3170-13.1	to	3170-12.1
3103-8.7	to	8400-7	3170-13.2	to	3170-12.2
3103-8.8	to	8400-8	3170-13.3	to	3170-12.3
3103-8.9	to	8400-9	3170-14	to	3170-13
3170-3	to	3170-3.1 through 3170-3.1.8	3170-14.1	to	3170-13.1
3170-7	to	3170-6.5	3170-16.1	to	3170-14.1
3170-8	to	3170-7.7	3170-16.3	to	3170-14.3
3170-11.1	to	3170-10.1	3170-17	to	3170-15
3170-11.2	to	3170-10.1.1	3170-18.5	to	3170-16.5
3170-11.3	to	3170-10.1.2	3170-18.6	to	3170-16.6

(c) All other sections are hereby repealed:

(d) The following sections are hereby added to read as follows:

DIVISION 3 - BUILDING REGULATIONS

Sec. 3000 - JURISDICTIONAL SCOPE - The provisions of this Division shall apply to the activities, described herein in Chapters 1, 2, 3, 4, 5 and 6, when conducted in any area of the county where the County of Ventura has jurisdiction except as hereinafter expressly provided.

CHAPTER 1 - UNIFORM BUILDING CODE

Sec. 3050 - GENERAL PROVISIONS.

Sec. 3050-1 - City - Wherever the word "City" appears in the said Uniform Building Code it shall mean, and be understood as referring to, either the County of Ventura or the unincorporated area thereof, according to the context wherein the said word appears.

Sec. 3050-2 - City Council - Wherever the term "City Council" appears in the said Uniform Building Code it shall mean, and be understood as referring to, the Board of Supervisors of the County of Ventura.

Sec. 3050-3 - Building Official - Wherever the term "Building Official" is used in this Chapter, it shall mean, and be understood as referring to the Director of Building and Safety, or his authorized representative.

Exception: "Building Official" when used in Ventura County Ordinance Code sections 3170 et seq. and all direct references to the Director of Public Works shall mean, and be understood as referring to the Director of Public Works, or his authorized representative.

ARTICLE I

UNIFORM BUILDING CODE, VOLUME I,  
AND BUILDING CODE STANDARDS

Sec. 3100 - UNIFORM BUILDING CODE - The Uniform Building Code, 1967 Edition, Volume I, and the Building Code Standards, as adopted by the International Conference of Building Officials, are hereby adopted and incorporated herein by reference as though set forth in full; provided however, that the Uniform Building Code, as incorporated, shall be subject to the amendments, deletions and additions contained in this Article.

Sec. 3101 - TITLE AND SCOPE - UBC Chapter 1 except as hereinafter amended.

Sec. 3101-4 - Application to Existing Buildings.

Sec. 3101-4.1 - General - Buildings or structures to which additions, alterations, or repairs are made shall comply with all of the requirements for new buildings or structures except as specifically provided in sections 3101-4.2 through 3101-4.7 and UBC sections 306 and 502 except for the replacement of broken glass. The replacement of broken glass shall be accomplished in accordance with the requirements of UBC Chapter 54.

For construction in fire zones, see UBC Chapter 16.

Sec. 3101-4.2 - Additions, Alterations, and Repairs:  
More than 50 Per Cent - UBC Sec. 104 (b).

Sec. 3101-4.3 - Additions, Alterations, and Repairs:  
25 to 50 Per Cent - UBC Sec. 104 (c).

Sec. 3101-4.4 - Additions, Alterations, and Repairs:  
25 Per Cent or Less - UBC Sec. 104 (d).

Sec. 3101-4.5 - Nonstructural Alterations and Repairs:  
25 Per Cent or Less - UBC Sec. 104 (e).

Sec. 3101-4.6 - Repairs: Roof Covering - UBC Sec.  
104 (f).

Sec. 3101-4.7 - Existing Occupancy - UBC Sec. 104 (g).

Sec. 3101-4.8 - Maintenance - UBC Sec. 104 (h).

Sec. 3101-8 - Exemption from Chapter - Except as otherwise provided in this paragraph, a permit shall be issued without fee and no inspection shall be required and the provisions of this chapter shall not apply to any building or structure on property held under one legal management having an area of two and one-half acres or more when such property is used primarily for agricultural purposes, and when such buildings or structures are to be used exclusively as agricultural accessory buildings and does not exceed 1,000 square feet in area.

Sec. 3101-8.1 - Agricultural Accessory Building Defined - An agricultural accessory building is defined as a structure designed, constructed, and used primarily for sheltering poultry, livestock, hay, grain, and other types of feed for such animals, citrus, or other farm products, farm machinery, materials and supplies. The term "agricultural accessory building" shall not include private garages, nor structures which will normally be occupied or used by human beings on a full-time or part-time basis.

Sec. 3101-9 - Non-permitted Structures - In order to properly maintain and safeguard healthful living conditions, it is hereby declared unlawful to use any discarded, used, salvaged, abandoned, or replaced street cars, box cars, refrigerator cars, motor bus bodies, trailers or similar means of conveyance, or structures of similar nature or construction, for places of habitation, residence or business in this County.

Sec. 3102 - ORGANIZATION AND ENFORCEMENT - UBC Chapter 2 except as hereinafter amended.

Sec. 3102-3 - Unsafe Buildings.

Sec. 3102-3.1 - General - UBC Sec. 203 (a).

Sec. 3102-3.2 - Notice to Owner - UBC Sec. 203 (b).

Sec. 3102-3.3 - Posting of Signs - UBC Sec. 203 (c).

Sec. 3102-3.4 - Right to Demolish - UBC Sec. 203 (d).

Sec. 3102-3.5 - Costs - UBC Sec. 203 (e).

Sec. 3102-3.6 - Site Restoration - All resulting building debris, trash, junk, vegetation, dead organic matter, rodent harborage, or combustible material that constitute a threat to life, health, or property, from structural, health, or fire hazard, or is inimical to the public welfare or depreciates adjacent property shall be removed from the site within thirty days after the demolition of the structure involved.

Sec. 3103 - PERMITS AND INSPECTIONS - UBC Chapter 3 except as hereinafter amended.

Sec. 3103-1 - Application for Permits.

Sec. 3103-1.1 - Permits Required - UBC Sec. 301 (a).

Sec. 3103-1.2 - Application - To obtain a permit the applicant shall first file an application therefor in writing on a form furnished for the purpose. Every such application shall:

- (a) Identify and describe the work to be covered by the permit for which application is made;
- (b) Describe the land on which the proposed work is to be done, by lot, block, tract, and house and street address, or similar description that will readily identify and definitely locate the proposed building or work;
- (c) Show the use or occupancy of all parts of the building;
- (d) Be accompanied by plans and specifications as required in Subsection (c) of this Section;
- (e) State the valuation of the proposed work;
- (f) Be signed by the permittee, or his authorized agent, who may be required to submit evidence to indicate such authority;
- (g) Give such other information as reasonably may be required by the Building Official;
- (h) Contain whatever additional information is required by any pertinent ordinance of the Ventura County Flood Control District relating to fees for flood control facilities.

Sec. 3103-1.3 - Plans and Specifications - UBC Sec. 301 (c).

Sec. 3103-1.4 - Information on Plans and Specifications - UBC Sec. 301 (d).

Sec. 3103-2 - Building Permits.

Sec. 3103-2.1 - Issuance - The applications, plans and specifications filed by an applicant for a permit shall be checked by the Building Official. Such plans may be reviewed by other departments of the County to check compliance with applicable laws and ordinances under their jurisdiction. If the Building Official is satisfied that the work described in the application for permit and plans filed therewith conform to the requirements of this Code and all other pertinent County or State laws and ordinances and that the fee specified in Section 303 (a) of the UBC has been paid, he shall issue a permit therefor to the applicant.

When the Building Official issues the permit he shall endorse in writing or stamp on both sets of plans and specifications "APPROVED". Such approved plans and specifications shall not be altered without authorization from the Building Official, and all work shall be done in accordance with the approved plans.

Where an industry, processing plant, or other commercial enterprise has wastes, sewage or other effluent that is disposed of in or on the ground in other than a recognized sewage treatment plant, then the plans must be

approved for such disposal by the County Health Official prior to the issuance of any building permit.

Sec. 3103-2.2 - Retention of Plans - UBC Sec. 302 (b).

Sec. 3103-2.4 - Expiration - UBC Sec. 302 (d).

Sec. 3103-3.1 - Building Permit Fees - UBC Sec. 303 (a).

Sec. 3103-3.3.1 - Occupancy Fee - Whenever an occupancy or use of an existing structure is changed, there shall be charged by the Building Official an inspection fee of \$15.00 to check the structure prior to its acceptance or rejection for compliance with the occupancy or use requested, except when such use or occupancy is covered by a current permit.

Sec. 3103-3.3.2 - Administrative Fees - When work or inspection services are performed by personnel of the Department of Building and Safety for which no fee is specifically prescribed herein, a determination for fee shall be made, based upon an hourly rate established for charges to cities with which the County has contractual arrangements.

Sec. 3103-3.3.3 - Demolition Fees - A fee of \$5.00 shall be charged for the issuance of a demolition permit.

Sec. 3103-3.3.4 - Documents and Codes Fees - The Building Official may charge a fee for documents and codes in an amount not to exceed the cost to the County.

Sec. 3103-5.1 - General - UBC Sec. 305 (a).

Sec. 3103-5.2 - Special Inspector - The special inspector shall be a qualified person approved by the Building Official.

The special inspector shall furnish continuous inspection on the construction and work requiring his employment. He shall report to the Building Official in writing, noting all Code violations and other information as required.

Before commencing his duties, the special inspector shall be examined and shall obtain a Certificate of Registration from the Building Official. Applications shall be made in writing and shall be accompanied by a fee of \$15.00. A separate application and a separate fee shall be required for each type of work. Applicants failing to pass an examination shall be ineligible for re-examination for a period of 90 days. A new application and fee shall accompany each request for re-examination. Certificates of Registration for special inspectors shall be valid for one year or fraction thereof, shall expire June 30, and must be renewed annually by payment of a renewal fee of \$5.00. Failure to renew will require re-application, the payment of \$15.00, and an examination if required by the Building Official.

Sec. 3103-5.3 - Approved Fabricators - UBC Sec. 305 (c).

Sec. 3104 - DEFINITIONS AND ABBREVIATIONS - UBC Chapter 4 except as hereinafter amended.



Sec. 3105 - CLASSIFICATION OF ALL BUILDINGS BY USE OR OCCUPANCY AND GENERAL REQUIREMENTS FOR ALL OCCUPANCIES - UBC Chapter 5.

Sec. 3106 - REQUIREMENTS FOR GROUP A OCCUPANCIES - UBC Chapter 6.

Sec. 3107 - REQUIREMENTS FOR GROUP B OCCUPANCIES - UBC Chapter 7.

Sec. 3108 - REQUIREMENTS FOR GROUP C OCCUPANCIES - UBC Chapter 8.

Sec. 3109 - REQUIREMENTS FOR GROUP D OCCUPANCIES - UBC Chapter 9 except as hereinafter amended.

Sec. 3109-1 - Group D Occupancies Defined - Group D occupancies shall be:

Division 1. Mental hospitals, mental sanitariums, jails, prisons, reformatories, and buildings where personal liberties of inmates are similarly restrained.

Division 2. Nurseries for the full-time care of children under kindergarten age (each accommodating more than five persons).

Hospitals, sanitariums, nursing homes with nonambulatory patients and similar buildings (each accommodating more than five persons).

Division 3. Nursing homes for ambulatory patients, homes for children of kindergarten age or over (each accommodating more than six persons).

For occupancy separations see Table No. 5-B.

For occupant load see Section 3301.

Exception: Group D Occupancies shall not include buildings used only for private residential purposes or for a family group.

Sec. 3110 - REQUIREMENTS FOR GROUP E OCCUPANCIES - UBC Chapter 10.

Sec. 3111 - REQUIREMENTS FOR GROUP F OCCUPANCIES - UBC Chapter 11.

Sec. 3112 - REQUIREMENTS FOR GROUP G OCCUPANCIES - UBC Chapter 12.

Sec. 3113 - REQUIREMENTS FOR GROUP H OCCUPANCIES - UBC Chapter 13.

Sec. 3114 - REQUIREMENTS FOR GROUP I OCCUPANCIES - UBC Chapter 14 except as hereinafter amended.

Sec. 3114-12 - Minimum Requirements for Occupancy.

Sec. 3114-12.1 - Dwellings shall not be occupied until the following minimum installations have been made:

- (a) Provisions made to exclude the elements.
- (b) Light and ventilation requirements have been met.
- (c) Containing minimum plumbing and sanitary requirements of the Plumbing Code.

Sec. 3114-12.2 - Dwellings shall not be occupied until

all requirements of the Housing Code have been complied with.

Sec. 3114-12.3 - Dwellings having unfinished elements or provisions for internal conversions shall meet the following requirements:

- (a) Sub-floor systems shall be completed.
- (b) Structural Elements. Two alternate methods are provided to assure that the completion of this unfinished area will not cause distress to the finished elements of the structure by imposing loads on members not intended to accommodate additional loading:
  - (1) Install all wall and partition framing at the time of original construction. (Rafters shall be sized to accommodate a ceiling) or;
  - (2) The floor joist system shall be designed and constructed in such a manner that future installations of walls and partitions need not be concerned with specific supporting members. (Rafters shall be sized to accommodate a ceiling).

In any event where sloping ceilings occur, walls necessary to provide structural support for the roof shall be completely framed, or roof rafters must be designed for clear spans.

- (c) When such provisions are made above the ground floor a complying stairway shall be installed.
- (d) Light and ventilation requirements shall be complied with.

Sec. 3115 - REQUIREMENTS FOR GROUP J OCCUPANCIES - UBC Chapter 15 except as hereinafter amended.

Sec. 3115-1 - Group J Occupancies Defined - UBC Sec. 1501. Group J Occupancies shall be:

Division 1: Detached; private garages, carports, sheds and minor accessory buildings, when not over 1,000 square feet in area, nor more than one-story in height.

Division 2: Fences over 6 feet high, tanks and towers.

Division 3: One-story agricultural accessory buildings in excess of 1,000 square feet. The area of such buildings shall not be limited provided exits are installed within the limits specified in Chapter 33 and each such building is entirely surrounded by space, streets, or yards, not less than 60 feet in width, and is not closer than 60 feet to buildings of other occupancy groups.

For occupancy separations see UBC Table No. 5-B.

For occupant load see UBC Section 3301.

Sec. 3115-6 - Fire Protection - Private garages which are constructed in conjunction with any Group "H" or "I" occupancy, fire protection will be installed in accordance with the requirements of Table 5-B, and the following:

- (a) When the dwelling or apartment house is more than one-story in height and a common wall between the garage and such dwelling or apartment house contains windows in the wall above the garage roof, fire protection shall be installed in the ceiling of the garage to a point not less than eight feet (8') away from such wall.
- (b) When the dwelling or apartment house is constructed over, or partially over, such garage, the entire ceiling in addition to all structural members, shall be fire-protected as stipulated in Table 5-C.

Sec. 3115-6.1 - Intersecting Walls - In cases where exterior walls of the dwelling intersect a required fire wall, and contain openings within 3' of such fire wall, the protection on the garage side shall extend four feet (4') beyond such intersection.

Sec. 3116 - RESTRICTIONS IN FIRE ZONES - UBC Chapter 16.

Sec. 3117 - CLASSIFICATION OF ALL BUILDINGS BY TYPES OF CONSTRUCTION AND GENERAL REQUIREMENTS - UBC Chapter 17.

Sec. 3118 - TYPE I BUILDINGS - UBC Chapter 18.

Sec. 3119 - TYPE II BUILDINGS - UBC Chapter 19.

Sec. 3120 - TYPE III BUILDINGS - UBC Chapter 20.

Sec. 3121 - TYPE IV BUILDINGS - UBC Chapter 21.

Sec. 3122 - TYPE V BUILDINGS - UBC Chapter 22.

Sec. 3123 - GENERAL DESIGN REQUIREMENTS - UBC Chapter 23.

Sec. 3124 - MASONRY - UBC Chapter 24.

Sec. 3125 - WOOD - UBC Chapter 25.

Sec. 3126 - CONCRETE - UBC Chapter 26.

Sec. 3127 - STEEL AND IRON - UBC Chapter 27.

Sec. 3128 - EXCAVATIONS, FOUNDATIONS, AND RETAINING WALLS - UBC Chapter 28 except as hereinafter amended.

Sec. 3128-3 - Soil Classification.

Sec. 3128-3.1 - General - The classification of the soil under all portions of every building shall be based upon the examination of adequate test borings or excavations made at the site except when waived by the Building Official. The locations of all test borings or excavations and the nature of the subsurface material shall be indicated on the plans.

Sec. 3128-3.2 - Moisture Content - UBC Sec. 2803 (b).

Sec. 3128-3.3 - Unequal Loads - UBC Sec. 2803 (c).

Sec. 3128-4 - Allowable Soil Pressures - The unit soil pressure of every footing shall not exceed the values set forth in the Uniform Building Code, Tables No. 28-B and No. 28-C. The Soils Engineer shall submit substantiating test data for all proposed bearing values except when waived by the Building Official. The classes of soils shown in these tables shall be determined in accordance with the Unified Soil Classification System.

Sec. 3128-5 - Soil Requirements.

Sec. 3128-5.1 - Requirements - UBC Sec. 2805 (a).

Sec. 3128-5.2 - Deviations - UBC Sec. 2805 (b).

Sec. 3128-5.3 - Load Tests - UBC Sec. 2805 (c).

Sec. 3128-5.4 - Expansive Soil Test and Design Requirements - Soil tested at each site shall be tested for a determination of expansiveness. Such tests shall be made in conformance with the test standard adopted by the Building Official when foundations are installed in accordance with Tables 3128-D or 3128-E.

Alternate foundation designs may be permitted if recommended by a Soils Engineer provided the installation of any alternative design is supervised and certified by such engineer.

Alternate foundation designs may incorporate expansive test procedures, other than the adopted standard, subject to approval of the Building Official.

Samples shall be taken at the approximate location and depth of the proposed foundation footing. All tests must be submitted by a Soils Engineer registered as a Civil Engineer in California.

Exception: The following buildings need not have expansive soil tests as required above:

- (a) Residential accessory buildings not attached to main structures.
- (b) Enclosed patios and other additions to existing frame buildings, except that new foundations must conform to existing foundation design.
- (c) Buildings located on natural formations known by the Building Official to be non-expansive.
- (d) When foundations are to be installed in accordance with Tables 3128-D or 3128-E 8% - 12% expansiveness, unless the soil is known to be over 12% in which case an engineered design will be required.
- (e) When, in the opinion of the Building Official and the Design Engineer, conditions exist that preclude the possibility of adverse effects from expansive soil reaction.

Sec. 3128-5.5 - Submittal of Soils Report - Reports to be submitted to the Department of Building and Safety shall include but not be limited to the following:

- (a) Field and laboratory tests of the land to be covered with fill to determine the characteristics of the soil, including its expansive qualities, the bearing value of the land, consolidation potential, and a statement as to whether the land can support the proposed fill and structures.
- (b) Field and laboratory soil analysis of the materials proposed for the fill, including its source and expansive quality and a statement as to its suitability. The analysis shall also specify the optimum moisture content at which each type of proposed fill material compacts to maximum dry density in accordance with ASTM Density Test No. D-1557-64-T (Method C) modified by using three layers instead of five layers.
- (c) Proposals to replace, rework or blend, or to stabilize or modify with additives either the natural site soils or the proposed fill materials, shall be supported by appropriate laboratory analyses and such other data as may be necessary for evaluation of the proposal.
- (d) Recommendation for foundation design.

Sec. 3128-5.6 - Precautions in Compacted Fills - Whenever the cut to fill "daylight line" lies within the building limits, special consideration shall be given to the

foundation design to minimize differential settlement.

Sec. 3128-6 - Footings.

Sec. 3128-6.1 - General - Footings and foundations, unless otherwise specifically provided, shall be constructed of solid masonry or concrete and shall in all cases extend below the frost line. Foundation walls supporting wood shall extend at least six inches (6") above the finish grade adjacent to the wall at all points. When finish floor levels are to be at, or below grade, an approved moisture barrier shall be provided. Mortar used in foundation walls and footings shall be as specified in Section 2403 (t) UBC.

Sec. 3128-6.2 - Bearing Walls - Bearing walls shall be supported on continuous solid masonry or concrete footings or piles, which shall be of sufficient size to support safely the loads imposed as determined from the character of the soil. Minimum foundation requirements for stud bearing walls shall be as set forth in Table 28-A.

Exceptions: 1. Exterior bearing walls in one-story Type V buildings (except Groups H and I Occupancies) may be supported on piers.

2. A one-story wood frame building which is not used for human occupancy and which does not exceed four hundred square feet (400 sq. ft.) in area, including additions, may be constructed without a masonry or concrete foundation if the walls are supported on a wood foundation plate.

3. The support of buildings by posts embedded in earth shall be designed as specified in Section 2806 (f). Wood posts or poles embedded in earth shall be pressure treated with an approved preservative. Steel posts or poles shall be protected as specified in Section 2808 (f).

Sec. 3128-6.3 - Stepped Foundations - UBC Sec. 2806 (c).

Sec. 3128-6.4 - Footing Design - UBC Sec. 2806 (d).

Sec. 3128-6.5 - Foundation Plates or Sills - UBC Sec. 2806 (e).

Sec. 3128-6.6 - Designs Employing Lateral Bearing - UBC Sec. 2806 (f).

Sec. 3128-13 - Slab Floor Construction - The following requirements for slab floor construction shall be adhered to, except where engineered modifications are approved by the Building Official and continuous inspection during construction provided by the Engineer:

- (a) Loose fill shall be suitably compacted, or shall be removed and replaced with coarse sand or gravel.
- (b) An approved vapor barrier shall be installed under all living areas. Such vapor barrier shall cover all earth or fill material within the boundaries of the exterior walls and shall be turned up at least three inches at the exterior walls or penetrate the wall 3". Joints shall be lapped a minimum of 12" or be fastened together with a suitable compound.
- (c) A 1" minimum layer of sand shall be placed over the vapor barrier and moistened just prior to placing concrete.
- (d) Slab reinforcement shall be installed in such a manner that it is thoroughly embedded in the concrete slab as close to the center of the slab as possible.

Sec. 3128-14 - Foundation Construction Joints - Horizontal construction joints in exterior foundation walls will not be permitted unless such joints are located a minimum of four inches (4") above finish grade and/or twelve inches (12") below finish floor. This requirement does not preclude the use of approved waterproof joints.

Sec. 3128-15 - Fine Grading - Lots shall be graded to drain surface water toward an approved disposal area, except when waived by the Building Official.

Sec. 3128-16 - Drainage Around Building Foundations - Finished grades around buildings shall slope away from the building foundations. Minimum gradients of such slopes shall be two per cent for the first four feet (4"). The minimum longitudinal gradient of swales shall be one per cent.

Exception: When concrete or other approved impervious surfaces are employed to carry water, the above minimum gradients may be reduced to one-half of one per cent.

Sec. 3128-17 - Side Slope Gradient - Maximum gradient of side slopes adjacent to a building shall be twenty-one per cent for a minimum of four feet away.

Sec. 3128-18 - Drainage Devices - Concentrated roof waters from gutter downspouts or roof valleys shall be diverted by concrete splash blocks and/or approved non-erosive drainage devices to convey the water away from the building foundation.

Sec. 3128-19 - Drainage Precautions in Expansive Soils - Where buildings are constructed on soils having more than eight per cent expansiveness, drainage provisions in addition to those specified elsewhere in this Code shall be made as follows:

- (a) Eave or ground gutters shall be provided to receive all roof water and deliver it through an approved non-erosive device to a street or approved water course.
- (b) When the distance from a building to the toe of an adjacent slope having an ascending vertical height of ten feet or more is within five feet of the flow line of a required drainage swale, a slough wall shall be provided. This wall shall extend one foot above the level grade and five feet beyond the limits of the adjacent building wall.

Sec. 3129 - VENEER - UBC Chapter 29.

Sec. 3130 - ENCLOSURE OF VERTICAL OPENINGS - UBC Chapter 30.

Sec. 3131 - FLOOR CONSTRUCTION - UBC Chapter 31.

Sec. 3132 - ROOF CONSTRUCTION AND COVERING - UBC Chapter 32 except as hereinafter amended.



TABLE 3128-D - FOUNDATIONS FOR ONE AND TWO STORY FRAME STRUCTURES ON EXPANSIVE SOILS - SLABS ON GRADE

Expansiveness of undisturbed field samples tested with an applied load of 60 p.s.f.	WALL FOOTINGS EXTERIOR AND INTERIOR (b)		FLOOR SLABS ON GRADE		
	Depth below lowest adjacent undisturbed grade	Reinforcement	Reinforcement as shown, or equivalent (c)	Presoaking	Thickness of rock base or clean coarse sand under living area
Up to - 4%	12" - One story 18" - Two story	Not required	6x6 - #10/#10 W.W.F.	Not required	Not required
4% up to 8%	18", or for 1-story only 12" depth and pre-soak to at least 90% of the saturated moisture content to a depth of not less than 6" below the bottom of the footing (a)	1 - #4 top and bottom	6x6 - #6/#6 W.W.F. or #3 @ 24" o.c. Both ways	To 90% of the saturated moisture content to a depth of 24" confirmed by testing (a)	4 inches
8% up to 12%	24", or 18" depth and pre-soak to at least 90% of the saturated moisture content of a depth of not less than 12" below the bottom of the footing (a)	1 - #4 top and bottom	6x6 - #6/#6 W.W.F. or #3 @ 24" o.c. Both ways	To 90% of the saturated moisture content to a depth of 36" confirmed by testing (a)	4 inches
12% and over	Foundation design shall be provided by soils engineer				

- (a) Moisture content shall be maintained until slabs and foundations are poured.
- (b) Provide a tie beam 6" wide below garage openings, reinforced as specified above for footings. Depth below grade shall be as above, with minimum concrete thickness 12". 4% or greater expansiveness.
- (c) Except on soil with less than 4% expansiveness slabs of attached garages shall be poured independently of the stem wall with positive separation at all points and shall be reinforced with a minimum of 6x6 - 10/10 W.W.F.

TABLE 3128-E - FOUNDATIONS FOR ONE AND TWO STORY FRAME STRUCTURES ON EXPANSIVE SOILS - RAISED FLOORS

Expansiveness of undisturbed field samples tested with an applied load of 60 p.s.f.	Exterior walls depth below lowest adjacent undisturbed grade (a)	Reinforcement (b)	Presoaking	Piers
Up to 4%	12" - One story 18" - Two story	Not required	Not required	Piers allowed for floor loads only
4% up to 8% (d)	15" - One story 18" - Two story	1 #4 @ top and bottom	To 90% of the saturated moisture content to a depth of 24" confirmed by testing (c)	Piers allowed for floor loads only
8% up to 12% (d)	21"	1 #4 @ top and bottom	To 90% of the saturated moisture content to a depth of 36" confirmed by testing (c)	Piers not allowed
12% and over	Foundation design shall be provided by soils engineer			

- (a) Design of crawl holes through footings shall be approved by the Building Official.
- (b) Continuous interior footings shall be reinforced as required by exterior walls.
- (c) The area within the building walls shall be covered with an approved vapor barrier overlaid with a 2" minimum sand blanket or approved equivalent. Moisture content shall be maintained until vapor barrier is placed.
- (d) Except on soil with less than 4% expansiveness, slabs of attached garages shall be poured independently of the stem wall with positive separation at all points, and shall be reinforced with a minimum of 6x6 - 10/10 W.W.F.

- Sec. 3133 - STAIRS, EXITS AND OCCUPANT LOADS - UBC Chapter 33.
- Sec. 3134 - SKYLIGHTS - UBC Chapter 34.
- Sec. 3135 - BAYS, PORCHES, AND BALCONIES - UBC Chapter 35.
- Sec. 3136 - PENTHOUSES AND ROOF STRUCTURES - UBC Chapter 36.
- Sec. 3137 - CHIMNEYS, FIREPLACES AND BARBECUES - UBC Chapter 37.
- Sec. 3138 - FIRE-EXTINGUISHING SYSTEMS - UBC Chapter 38.
- Sec. 3139 - STAGES AND PLATFORMS - UBC Chapter 39.
- Sec. 3140 - MOTION PICTURE PROJECTION ROOMS - UBC Chapter 40.
- Sec. 3142 - INTERIOR WALL AND CEILING FINISH - UBC Chapter 42.
- Sec. 3143 - FIRE-RESISTIVE STANDARDS - UBC Chapter 43.
- Sec. 3144 - PROTECTION OF PEDESTRIANS DURING CONSTRUCTION OR DEMOLITION - UBC Chapter 44.
- Sec. 3145 - PERMANENT OCCUPANCY OF PUBLIC PROPERTY - UBC Chapter 45.
- Sec. 3147 - LATHING, PLASTERING AND INSTALLATION OF WALLBOARD - UBC Chapter 47.
- Sec. 3148 - FILM STORAGE - UBC Chapter 48.
- Sec. 3150 - PREFABRICATED CONSTRUCTION - UBC Chapter 50.
- Sec. 3152 - PLASTICS - UBC Chapter 52.
- Sec. 3153 - SHEET METAL PAINT SPRAY BOOTHS - UBC Chapter 53.
- Sec. 3154 - GLASS AND GLAZING - UBC Chapter 54.
- Sec. 3160 - LEGISLATIVE - UBC Chapter 60.
- Sec. 3113A - EXISTING BUILDING - UBC Chapter 13 Appendix.
- Sec. 3123A - WEIGHTS OF BUILDING MATERIALS - UBC Chapter 23 Appendix.
- Sec. 3148A - PHOTOGRAPHIC AND X-RAY FILMS - UBC Chapter 48 Appendix.

Sec. 3170 - EXCAVATION AND GRADING - UBC Chapter 70 except as hereinafter amended.

Sec. 3170-6 - Grading Permit Requirements.

Sec. 3170-6.1 - Permits Required - UBC Sec. 7006 (a).

Sec. 3170-6.2 - Plans and Specifications - UBC Sec. 7006 (b).

Sec. 3170-6.3 - Engineering Geological Reports - UBC Sec. 7006 (c).

Sec. 3170-6.4 - Soils Engineering Reports - UBC Sec. 7006 (d).

Sec. 3170-7 - Permit Limitations and Conditions.

Sec. 3170-7.1 - General - UBC Sec. 7007 (a).

Sec. 3170-7.2 - Jurisdiction of Other Agencies - UBC Sec. 7007 (b).

Sec. 3170-7.3 - Time Limits - UBC Sec. 7007 (c).

Sec. 3170-7.4 - Storm Damage Precautions - UBC Sec. 7007 (d).

Sec. 3170-7.5 - Conditions of Approval - UBC Sec. 7007 (e).

Sec. 3170-7.6 - Liability - UBC Sec. 7007 (f).

Sec. 3170-7.7 - Renewal - Notwithstanding any other provision of this Code, if the permittee was unable to complete the work and the permit has expired, the permittee may present in writing to the Board of Supervisors a request for renewal of the permit, setting forth the reasons for the requested renewal. Upon a showing of good cause by the permittee, the Board of Supervisors may grant a renewal for such time and upon such terms as it deems appropriate.

Sec. 3170-10 - Bonds.

Sec. 3170-11 - Design Standards for Cuts.

Sec. 3170-11.1 - Maximum Slope - UBC Sec. 7011 (a).

Sec. 3170-11.2 - Drainage Terraces - Cut slopes which are steeper in slope than five horizontally to one vertically, exceeding thirty-five feet (35') in vertical height shall be terraced at their approximate mid-height. Drainage terraces are to be a minimum of six feet (6') wide, paved and must carry water to a safe disposal area. Terraces shall be cut every thirty feet (30') vertically, except that where only one terrace is required, it shall be at mid-height.

Sec. 3170-12.4 - Fill Material - UBC Sec. 7012 (d).

Sec. 3170-12.5 - Drainage Terraces - All fill slopes steeper in slope than five horizontally to one vertically and in excess of thirty-five feet (35') vertical height shall have paved drainage terraces at vertical intervals not exceeding thirty feet (30') except that where only one terrace is required it shall be at mid-height. Such terraces shall drain into a paved gutter, pipe or other watercourse adequate to convey the water to a safe disposal area. The terrace shall be equal to at least six feet (6') wide.

Sec. 3170-12.6 - Slopes to Receive Fill - UBC Sec. 7012 (f).

Sec. 3170-14 - Design Standards for Drainage.

Sec. 3170-14.2 - Erosion Prevention - UBC Sec. 7014 (b).

Sec. 3170-16 - Grading Inspection and Supervision.

Sec. 3170-16.1 - Supervised Grading Required - UBC Sec. 7016 (a).

Sec. 3170-16.2 - Regular Grading Requirements - UBC Sec. 7016 (b).

Sec. 3170-16.3 - Supervised Grading Requirements - UBC Sec. 7016 (c).

Sec. 3170-16.4 - Notification of Noncompliance - UBC Sec. 7016 (d).

Sec 3170-19 - Modifications of Approved Plans - All modifications of the approved grading plans must be approved by the Building Official. All necessary soils and geological reports shall be submitted with the plans.

No grading work in connection with the proposed modifications will be permitted without the approval of the Building Official. If, in the opinion of the Building Official, the strict enforcement of Section 7007 (e) 1 will create an undue hardship on the permittee, or a hazard to the safety of operations, this requirement may be waived. Such a waiver shall not relieve the permittee of responsibility for compliance with the design standards of this Code.

Sec. 3182 - UNIFORM MECHANICAL CODE - The Uniform Building Code, 1967 Edition, Volume II (also known as the Uniform Mechanical Code), as adopted by the International Conference of Building Officials, is hereby adopted and incorporated herein by reference as though set forth in full; provided however, that said Uniform Mechanical Code, as incorporated, shall be subject to the amendments, deletions and additions contained in this Article.

Sec. 3182-1 - Title and Scope - UMC Chapter 1.

Sec. 3182-2 - Organization and Enforcement - UMC Chapter 2.

Sec. 3182-3 - Permits and Inspection - UMC Chapter 3.

Sec. 3182-4 - Definitions and Abbreviations - UMC Chapter 4.

Sec. 3182-5 - Comfort Heating Equipment - UMC Chapter 5 except as hereinafter amended.

Sec. 3182-5.3 - Type of Fuel and Fuel Connections.

Sec. 3182-5.3.1 - General - Each comfort heating appliance shall be designed for use with the type of fuel to which it will be connected. No such appliance shall be converted from the fuel specified on the rating plate for use with a different fuel without securing reapproval from the Building Official and as recommended by the manufacturer of either the original equipment or the conversion equipment. Franchised utilities may convert appliances in accordance with procedures approved by the Building Official without securing reapproval of the appliance if properly relabeled.

Comfort heating equipment installed where standby fuel may be used shall have "optional natural gas" listing for heating equipment listed by an approved agency or approved by the Building Official.

A readily accessible approved shutoff valve shall be installed in the fuel piping outside of each appliance and ahead of the union connection thereto in addition to any valve provided on the appliance. Such valve shall be within three feet (3') of the appliance it serves.

Exceptions: 1. Shutoff valves may be accessibly located inside or under any appliance when such appliance can be removed without removal of the shutoff valve.

2. When an oil burner is served by a tank any part of which is above the level of the burner inlet connection and where the fuel supply line is taken from the top of the tank, an approved anti-siphon valve or other siphon breaking device shall be installed in addition to the shutoff valve.

Sec. 3182-5.3.2 - Oil-burning Appliances - UMC Sec. 503 (b)

Sec. 3182-5.3.3 - Gas-burning Appliances - UMC Sec. 503 (c).

Sec. 3182-5.3.4 - Pipe Size - UMC Sec. 503 (d).

Sec. 3182-6 - Combustion Air - UMC Chapter 6 except as hereinafter amended.

Sec. 3182-6.3 - Combustion Air Openings.

Sec. 3182-6.3.1 - Air From Outside - Required combustion air obtained from outside the comfort heating enclosure shall be supplied as follows:

- (a) Through a permanent opening or openings of the required area and opening directly to the outside of the building through the floor, roof, or walls of the appliance enclosure; or
- (b) Through a continuous duct or ducts of the required cross-sectional area extending from the appliance enclosure to the outside of the building. The required upper combustion air duct shall extend horizontally or upwards to the outside of the building.

Exception: Where not otherwise prohibited the combustion air supply may be obtained from an attic area provided:

Attic ventilation is sufficient to provide the required volume of combustion air. The combustion air opening is provided with a galvanized steel sleeve of not less than No. 26 gage extending from the appliance enclosure to at least two inches (2") above the top of the ceiling joists.

The same duct shall not serve both the upper and lower combustion air supply openings in the same or any other appliance enclosure.

No circulating air supply for any blower-type furnace shall be obtained from the area.

Sec. 3182-6.3.2 - Underfloor Supply - UMC Sec. 603 (b).

Sec. 3182-6.3.3 - Supply Restrictions - UMC Sec. 603(c).

Sec. 3182-6.3.4 - Dampers - UMC Sec. 603 (d).

Sec. 3182-6.3.5 - Screen - UMC Sec. 603 (e) is hereby deleted.

Sec. 3182-6.3.6 - Interior Spaces - UMC Sec. 603 (f).

Sec. 3182-6.4 - Combustion Air Ducts - Every combustion air supply duct required by this Part shall:

- (a) Be of galvanized steel complying with Chapter 10 or equivalent corrosion-resistant material approved for this use.
- (b) Have a minimum cross-sectional dimension of three inches (3").
- (c) Terminate in a space not less than six inches (6") in depth in front of, or open to, the front

or firebox side of the appliance. Every such space shall extend from the floor to the ceiling of the appliance enclosure.

Exception: For dwelling construction, combustion air from ventilated attics may be conducted in unprotected stud space with a minimum dimension of 5 1/2".

Sec. 3182-7 - Comfort Heating Systems - UMC Chapter 7 except as hereinafter amended.

Sec. 3182-7.6 - Circulating Air Supply.

Sec. 3182-7.6.1 - Source - UMC Sec. 706 (a).

Sec. 3182-7.6.2 - Duct System - UMC Sec. 706 (b).

Sec. 3182-7.6.3 - Separation - UMC Sec. 706 (c).

Sec. 3182-7.6.4 - Air Requirements - UMC Sec. 706 (d).

Sec. 3182-7.6.5 - Dampers - UMC Sec. 706 (e).

Sec. 3182-7.6.6 - Ducts for Blower-type Warm-air Furnace - UMC Sec. 706 (f).

Sec. 3182-7.6.7 - Prohibited Sources - UMC Sec. 706 (g).

Sec. 3182-7.6.8 - Screen - Every required circulating air supply inlet from outside the building shall be covered with screen having one-half inch (1/2") openings.

Exception: Any such circulating air supply inlet serving any nonresidential portion of any building may be covered with screen having openings not exceeding one inch (1") in width.

Sec. 3182-7.6.9 - Return Air Limitation - UMC Sec. 706 (i).

Sec. 3182-7.10 - Furnaces Installed on Roofs or Exterior Walls of Buildings.

Sec. 3182-7.10.1 - General - UMC Sec. 710 (a).

Sec. 3182-7.10.2 - Weather Protection - UMC Sec. 710 (b).

Sec. 3182-7.10.3 - Ventilation - UMC Sec. 710 (c).

Sec. 3182-7.10.4 - Clearance - UMC Sec. 710 (d).

Sec. 3182-7.10.5 - Electrical Appliances - Each appliance shall have an accessible disconnect switch. A 120-Volt AC grounding type convenience outlet shall be installed adjacent to the appliance.

Sec. 3182-7.10.6 - Platform - UMC Sec. 710 (f).

Sec. 3182-7.10.7 - Catwalk - UMC Sec. 710 (g).

Sec. 3182-7.10.8 - Roof Scuttle Access - UMC Sec. 710 (h).



Sec. 3182-7.10.9 - Access - UMC Sec. 710 (i).

Sec. 3182-8 - Vented Decorative Appliances, Floor Furnaces, Vented Wall Furnaces, Unit Heaters, and Room Heaters - UMC Chapter 8.

Sec. 3182-9 - Venting of Appliances - UMC Chapter 9 except as hereinafter amended.

Sec. 3182-9.9 - Multiple Appliance Venting Systems - Two or more oil or listed gas-burning appliances may be connected to one common gravity-type venting system provided the venting system is equipped with an approved primary safety control capable of shutting off both the pilot and burners and the venting system is designed to conform with Section 901 of this Code or complies with the following requirements:

- (a) Appliances which are connected to a common venting system shall be located within the same story of the building.
- (b) Two or more connectors shall not enter a common venting system unless the inlets are offset in such a manner that no portion of any inlet is opposite the other inlets.
- (c) Where two or more appliances are connected to one venting system the venting system area shall be not less than the area of the largest vent connector plus 50 per cent of the areas of the additional vent connectors. An oval vent may be used provided its area is not less than the area of the round pipe for which it is substituted.
- (d) Where two or more appliances are connected to one common venting system, the BTU rating of the smallest appliance shall in no case be less than 25% of the total BTU rating of the other appliances connected thereto.

Sec. 3182-10 - Ducts - UMC Chapter 10 except as hereinafter amended.

Sec. 3182-10.2 - Material.

Sec. 3182-10.2.1 - General - UMC Sec. 1002 (a).

Sec. 3182-10.2.2 - Nonmetallic - UMC Sec. 1002 (b).

Sec. 3182-10.2.3 - Metal - UMC Sec. 1002 (c).

Sec. 3182-10.2.4 - Tin - UMC Sec. 1002 (d) is hereby deleted.

Sec. 3182-10.2.5 - Flexible Connectors - Flexible connectors installed between mechanical equipment and metal ducts (or casings) shall be made of woven asbestos or approved material and shall not exceed ten inches (10") in length.

TABLE NO. 10-C

GAGES OF METAL DUCTS AND PLENUMS USED FOR COMFORT HEATING OR COOLING FOR A SINGLE DWELLING UNIT

	COMFORT HEATING OR COOLING			COMFORT HEATING ONLY
	Galvanized Steel		Approximate Aluminum B & S Gage	Minimum Weight Tin-Plate Pounds per Base Box (1)
	Nominal Thickness (In Inches)	Equivalent Galvanized Sheet Gage No.		
Round Ducts and Enclosed Rectangular Ducts				
14" or less	0.016	30	26	135
Over 14"	0.019	28	24	-
Exposed Rectangular Ducts				
14" or less	0.019	28	24	-
Over 14"	0.022	26	23	-

(1) Not permitted when provisions have been made for future air conditioning installations.

Sec. 3182-11 - Ventilation Systems - UMC Chapter 11 except as hereinafter amended.

Sec. 3182-11.7 - Ducts for Grease Hoods Only.

Sec. 3182-11.7.1 - Material - The duct system shall be constructed of steel, copper, or other material approved for the use intended. No flexible connector shall be used, unless it consists of a metal sleeve joint packed with asbestos rope and its design is acceptable to the Building Official.

Ducts and plenums having an area of four square feet (4 sq. ft.) or less shall be constructed of not less than No. 16 Galvanized Sheet gage steel or of copper sheets weighing not less than 48 ounces per square foot. Ducts and plenums greater than four square feet (4 sq. ft.) in area shall be constructed of not less than No. 14 Galvanized Sheet gage steel or of copper sheets weighing not less than 56 ounces per square foot.

All joints and seams, except the flexible connector, shall be made with a continuous grease tight weld or braze made on the external surface of the duct system.

Every portion of the duct system exposed to the outside air shall be weather-proofed and suitably protected against corrosion.

Sec. 3182-11.7.2 - Prevention of Grease Accumulation - Every duct system shall be so constructed and installed that grease cannot become pocketed in any portion thereof, and the system shall slope not less than one inch (1") per lineal foot toward the hood or toward an approved grease reservoir.

Exception: This slope may be reduced to one-fourth inch (1/4") per lineal foot provided this portion of the horizontal duct does not exceed seventy-five feet (75') in length and the entire duct system is equipped with an approved fire-extinguishing system.

When a centrifugal fan is used it shall be positioned so that the discharge outlet is in a bottom horizontal position.

Exception: The location of the discharge outlet shall not be required as above when specifically designed for grease exhaust in another manner and so specified by the manufacturer.

Sec. 3182-11.7.3 - Openings - UMC Sec. 1107 (c).

Sec. 3182-11.7.4 - Support - UMC Sec. 1107 (d).

Sec. 3182-11.7.5 - Air Velocity - UMC Sec. 1107 (e).

Sec. 3182-11.7.6 - Separate System - UMC Sec. 1107 (f).

Sec. 3182-11.7.7 - Duct Enclosure - UMC Sec. 1107 (g).

Sec. 3182-11.7.8 - Fire-resistive Access Openings - UMC Sec. 1107 (h).

Sec. 3182-11.7.9 - Dampers - UMC Sec. 1107 (i).

Sec. 3182-11.7.10 - Clearance - UMC Sec. 1107 (j).

Sec. 3182-11.7.11 - Motors, Fans and Exhaust Outlets - UMC Sec. 1107 (k).

Sec. 3182-12 - Comfort Cooling - UMC Chapter 12.

Sec. 3182-13 - Absorption Units and Absorption Systems for Comfort Cooling and Comfort Heating - UMC Chapter 13 except as hereinafter amended.

Sec. 3182-13.6 - Installation - Fuel-burning absorption units located outside of a building shall be completely enclosed in a weatherproof housing. This housing when constructed of metal shall be of galvanized steel or aluminum not less than No. 24 U. S. Standard gage supported on a substantial metal frame. The housing shall be not larger than necessary to properly cover and provide a minimum six-inch (6") clearance around the unit or units enclosed therein, including all controls and draft diverters.

Exception: Absorption units approved for outdoor installation need not be enclosed.

Every absorption unit supported from the ground shall rest on a concrete slab extending not less than three inches (3") above the adjoining ground level.

Every absorption unit shall be equipped with a factory installed pressure relief device, either a fusible plug, a rupture member, or a pressure relief valve.

A suitable and substantial metal guard shall be provided around all flywheels, fans, pulleys, and belts which are a portion of any absorption system.

Absorption units suspended from any construction in an underfloor space shall have a clearance of at least six inches (6") from the ground.

Cooling coils installed as a portion of, or in connection with, any warm-air furnace shall be arranged to comply with the requirements of Section 705.

No direct absorption unit containing any Group 2 refrigerant shall be used for comfort cooling.

Adequate means shall be provided for the collection and disposal of cooling tower water to a drain conforming with the Plumbing Code. Every such drain shall be of corrosion-resistant pipe at least three-quarter inch (3/4") nominal pipe size.

All refrigerant piping and fittings, brine piping and fittings, which during normal operation could reach a surface temperature below the dew point of the surrounding air and are located in spaces or areas where condensation could cause a safety hazard to the building occupants, structure, electrical equipment or other equipment, shall be protected in a manner to prevent such damage.

Sec. 3182-14 - Evaporative Cooling Systems - UMC Chapter 14 except as hereinafter amended.

Sec. 3182-14.4 - Installation - Every evaporative cooler supported by the building structure shall be installed on a substantial level base and shall be secured directly or indirectly to the building structure by suitable means to prevent displacement of the cooler.

Every evaporative cooler supported directly by the ground shall be isolated from the ground by a level concrete slab extending not less than three inches (3") above the adjoining ground level.

Every evaporative cooler shall be installed on a level base at least six inches (6") above the adjoining ground level and shall be supported in an approved manner. Any modifications made to the supporting framework of buildings as a result of the installation shall be in accordance with the requirements of the 1967 Edition of the Uniform Building Code, Volume I. Holes for penetrations of ducts, or for plenums shall be at least two inches (2") larger than the duct or plenum which passes through. Openings in exterior walls shall be flashed in an approved manner in accordance with the requirements of the 1967 Edition of the Uniform Building Code, Volume I.

The minimum unobstructed total area of the conditioned air ducts from an evaporative cooler shall be not less than the area of the discharge opening of the cooler.

Note: For the purpose of the preceding paragraph, a volume damper, grille, or register, installed for the purpose of controlling the conditioned air flow, shall not be considered an obstruction.

Every evaporative cooler overflow shall drain to the outside of the building or to a drain complying with the Plumbing Code. All drainage piping and fittings from the evaporative cooler to the outside, or to the indirect receptor, shall be of corrosion-resistant pipe or tubing at least three-fourths-inch (3/4") nominal pipe size.

Each appliance shall have an accessible disconnect switch. A 120-Volt AC grounding type convenience outlet shall be installed adjacent to the appliance. The disconnect switch shall not affect this outlet.

Sec. 3182-15 - Refrigeration Equipment - UMC Chapter 15 except as hereinafter amended.

Sec. 3182-15.4 - Location of Refrigerating Equipment - Supports for compressors and condensing units shall be designed to safely carry the load of the equipment supported and shall be of incombustible materials when more than six inches (6") in height.

Exception: The requirements for incombustible support materials need not apply to supports for compressors and condensing units located on a wood roof if this equipment is mounted on one-fourth-inch (1/4") asbestos millboard covered with No. 24 gage metal extending the full area on the underside of such equipment.

Every compressor or portion of a condensing unit supported from the ground shall rest on a concrete slab extending not less than three inches (3") above the adjoining ground level.

An unobstructed access opening and passageway, not less than thirty inches (30") in the least dimension, shall be provided and maintained to every compressor, unless further regulated by this Code.

A suitable and substantial metal guard shall be provided around all flywheels, fans, pulleys and belts which are a portion of any refrigerating machinery.

No portion of any refrigerating system shall be located in any elevator shaft, dumb-waiter shaft, or any shaft having moving objects therein.

Every room or space, other than a machinery room complying with the requirements of this Chapter, in which any refrigerant-containing portion of a condensing unit is located, shall be provided with one of the following means of ventilation:

- (a) Permanent gravity ventilation openings of not less than two square feet (2 sq. ft.) total area, opening directly to the outside of the building, or extending to the outside of the building by continuous ducts.
- (b) A mechanical exhaust system of ventilation arranged to provide a complete change of air in such room or space at least every 20 minutes and to discharge to the outer air.

Exception: This paragraph shall not apply to any portion of a condensing unit in a room or space if the cubical content exceeds 1000 cubic feet per horsepower of the unit or where such room or space has permanent gravity ventilation openings of two square feet (2 sq. ft.) minimum total area to other rooms or spaces exceeding 1000 cubic feet per horsepower.

No refrigerant compressor of more than one horsepower rating shall be located less than ten feet (10') from any public aisle or exit passageway in any Group A, B, C, D, F, Division 2, or H Occupancy unless separated by a One-Hour Fire-Resistive Occupancy Separation.

All refrigerant piping and fittings, brine piping and fittings which during normal operation could reach a surface temperature below the dew point of the surrounding air and are located in spaces or areas where condensation could cause a safety hazard to the building occupants, structure, electrical equipment, or any other equipment, shall be protected in a manner to prevent such damage.

No compressor shall be located in any hazardous location.

No portion of any refrigerating system shall be installed in any location where it would be subject to damage from an external source.

No portion of any direct refrigerating system shall be located in or serve any Group D Occupancy.

Exception: This paragraph shall not apply to a unit refrigerating system or a comfort cooling unit not exceeding three horsepower rating and containing a Group 1 refrigerant.

Sec. 3182-16 - Storage of Refrigerants - UMC Chapter 16.

Sec. 3182-17 - Cooling Towers - UMC Chapter 17.

Sec. 3182-18 - Incinerators - UMC Chapter 18.

Sec. 3182-19 - Miscellaneous Heat-Producing Appliances - UMC Chapter 19.

Sec. 3182-20 - Appendix and Standards - The Appendix and the various Standards set forth in UBC Volume II are hereby adopted and incorporated herein by reference as though set forth in full.

ARTICLE III

UNIFORM BUILDING CODE, VOLUME III

Sec. 3183 - HOUSING CODE - The Uniform Building Code, 1967 Edition, Volume III (also known as the Housing Code), as adopted by the International Conference of Building Officials, is hereby adopted and incorporated herein by reference as though set forth in full.



ARTICLE IV

UNIFORM BUILDING CODE, VOLUME IV

Sec. 3184 - DANGEROUS BUILDINGS CODE - The Uniform Building Code, 1967 Edition, Volume IV (also known as the Dangerous Buildings Code), as adopted by the International Conference of Building Officials, is hereby adopted and incorporated herein by reference as though set forth in full; provided however, that said Dangerous Buildings Code as incorporated, shall be subject to the amendments, deletions and additions contained in this Article.

Sec. 3184-1 - Title and Scope - DBC Chapter 1.

Sec. 3184-2 - Enforcement - DBC Chapter 2.

Sec. 3184-3 - Definitions - DBC Chapter 3.

Sec. 3184-4 - Notices and Orders of Building Official - DBC Chapter 4.

Sec. 3184-5 - Appeal - DBC Chapter 5.

Sec. 3184-6 - Procedure for Conduct of Hearing Appeals - DBC Chapter 6.

Sec. 3184-7 - Enforcement of the Order of the Building Official or the Board of Appeals - DBC Chapter 7.

Sec. 3184-8 - Performance of Work of Repair or Demolition - DBC Chapter 8 except as hereinafter amended.

Sec. 3184-8.1 - General.

Sec. 3184-8.1.1 - Procedure - When any work of repair or demolition is to be done pursuant to Section 701 (c) 3 of the DBC, the Building Official shall issue his order therefor to the Director of Maintenance and Service and the work shall be accomplished by city personnel or by private contract under the direction of said Director. Plans and specifications therefor may be prepared by said Director, or he may employ such architectural and engineering assistance on a contract basis as he may deem reasonably necessary. If any part of the work is to be accomplished by private contract, Standard Public Works contractual procedures shall be followed.

Sec. 3184-8.1.2 - Costs - DBC Sec. 801 (b).

Sec. 3184-8.2 - Repair and Demolition Fund.

Sec. 3184-8.2.1 - General - The City Council shall establish a special fund to be designated as the Repair and Demolition Fund. Payments shall be made out of said fund upon the demand of the Director of Maintenance and Service to defray the costs and expenses which may be incurred by the city in doing or causing to be done the necessary work of repair or demolition of dangerous buildings.

Sec. 3184-8.2.2 - Maintenance of Fund - DBC Sec. 802 (b).

Sec. 3184-9 - Recovery of Cost of Repair or Demolition -  
DBC Chapter 9 except as hereinafter amended.

Sec. 3184-9.1 - Account of Expense, Filing of Report: Contents - The Director of Maintenance and Service shall keep an itemized account of the expense incurred by the city in the repair or demolition of any building done pursuant to the provisions of Section 701 (c) 3 of the DBC. Upon the completion of the work of repair or demolition, said Director shall prepare and file with the City Clerk a report specifying the work done, the itemized and total cost of the work, a description of the real property upon which the building or structure is or was located, and the names and addresses of the persons entitled to notice pursuant to Subsection (c) of Section 401.

Sec. 3184-9.5 - Special Assessment.

Sec. 3184-9.5.1 - General - The City Council may thereupon order that said charge shall be made a special assessment charge against the property.

Sec. 3184-9.5.2 - Personal Obligation - DBC Sec. 905 (b) is hereby deleted.

Sec. 3184-9.5.3 - Special Assessment - DBC Sec. 905 (c).

Sec. 3184-9.7 - Authority for Installment Payment of Assessments With Interest - DBC Sec. 907 is hereby deleted.

Sec. 3184-9.8 - Lien of Assessment.

Sec. 3184-9.8.1 - Priority - DBC Sec. 908 (a).

Sec. 3184-9.8.2 - Penalties - All such assessments shall be due and payable the same as provided for real property taxes and shall be subject to the same delinquent penalties as are provided for real property taxes.

Sec. 3184-9.11 - Collection of Assessment: Penalties for Foreclosure - The amount of the assessment shall be collected at the same time and in the same manner as ordinary county taxes are collected; and shall be subject to the same penalties and procedure and sale in case of delinquency as provided for ordinary county taxes. All laws applicable to the levy, collection and enforcement of county taxes shall be applicable to such assessment.

ARTICLE V

UNIFORM BUILDING CODE, VOLUME V

Sec: 3185 - UNIFORM SIGN CODE - The Uniform Building Code, 1967 Edition, Volume V, (also known as the Sign Code), as adopted by the International Conference of Building Officials, is hereby adopted and incorporated herein by reference as though set forth in full; provided however, that said Sign Code, as incorporated, shall be subject to the amendments, deletions and additions contained in this Article.

Sec. 3185-1 - Title, Scope and Enforcement - SC Chapter 1.

Sec. 3185-2 - Definitions and Abbreviations - SC Chapter 2.

Sec. 3185-3 - Permits, Fees and Inspections - SC Chapter 3 except as hereinafter amended.

Sec. 3185-3.4 - Fees - Fees for signs shall be paid in accordance with the fee schedule set forth in Section 303 (a) and (b) of UBC, Volume I.

Sec. 3185-4 - Design and Construction - SC Chapter 4.

Sec. 3185-5 - Fin Signs - SC Chapter 5.

Sec. 3185-6 - Pole Signs - SC Chapter 6.

Sec. 3185-7 - Ground Signs - SC Chapter 7.

Sec. 3185-8 - Roof Signs - SC Chapter 8.

Sec. 3185-9 - Wall Signs - SC Chapter 9.

Sec. 3185-10 - Projecting Signs - SC Chapter 10.

Sec. 3185-11 - Combination Signs - SC Chapter 11.

Sec. 3185-12 - Marquees - SC Chapter 12.

Sec. 3185-13 - Electric Signs - SC Chapter 13.

Sec. 3185-14 - Temporary Signs - SC Chapter 14.

CHAPTER 2 - UNIFORM PLUMBING CODE

Sec. 3200 - UNIFORM PLUMBING CODE - The Uniform Plumbing Code, 1967 Edition, as adopted by the International Association of Plumbing and Mechanical Officials, including Appendixes A, B, C, D, F, and G, but excluding Appendix E (Trailer Park Plumbing), is hereby adopted and incorporated herein by reference as though set forth in full; provided however, that the Uniform Plumbing Code, as incorporated, shall be subject to the amendments, deletions and additions contained in this Chapter.

Sec. 3200-1 - Administration - UPC Part One except as hereinafter amended.

Sec. 3200-1.1 - Administrative Authority - Whenever the term "Administrative Authority" is used in this Code it shall be construed to mean the Director of Building and Safety, or his authorized representative.

Sec. 3200-1.2 - Assistants - Whenever the term "assistants" is used in this Code it shall be construed to mean personnel assigned as Plumbing Inspectors.

Sec. 3200-1.2.1 - Special Inspectors - The Administrative Authority may issue "special inspector" credentials to individuals pursuant to an examination, either oral, written, or both. This credential will entitle such individual to perform inspections and to certify compliance with this Code for certain installations. This procedure shall not abrogate the authority to make inspections by duly authorized employees of the Department of Building and Safety.

Sec. 3200-1.3 - Department Having Jurisdiction - Unless otherwise provided for by law, the office of the Administrative Authority shall be part of the Department of Building and Safety.

Sec. 3200-1.7 - Violation and Penalties - Any person, firm or corporation violating any of the provisions of this Code shall be deemed guilty of a misdemeanor and upon conviction thereof shall be punishable by a fine of not to exceed \$300.00 or by imprisonment in the County jail for not to exceed three months, or by both such fine and imprisonment. Each separate day or any portion thereof during which any violation of this code occurs or continues shall be deemed to constitute a separate offense, and upon conviction thereof shall be punishable as herein provided.

The issuance or granting of a permit or approval of plans and specifications shall not be deemed or construed to be a permit for, or an approval of any violation of any of the provisions of this Code. No permit presuming to give authority to violate or cancel the provisions of this Code shall be valid, except insofar as the work or use which it authorizes is lawful.

The issuance or granting of a permit or approval of plans shall not prevent the Administrative Authority from thereafter requiring the correction of errors in said plans and specifications or from preventing construction operations being carried on thereunder when in violation of this Code or of any other Ordinance or from revoking

any Certificate of Approval when issued in error.

Every permit issued by the Administrative Authority under the provisions of this Code shall expire by limitation and become null and void, if the work authorized by such permit is not commenced within sixty (60) days from the date of issuance of such permit, or if the work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of sixty (60) days. Before such work may be recommenced a new permit shall be first obtained to do so.

Sec. 3200-1.15 - Plan Checking Fees - When plans and specifications are required for checking, a plan checking fee equal to one-half the permit fee shall be charged.

Sec. 3200-1.16 - Administrative Fees - When work or inspection services are performed by personnel of the Department of Building and Safety for which no fee is specifically prescribed herein, a determination for fee shall be made, based upon an hourly rate established for charges to cities with which the County has contractual arrangements.

Sec. 3200-2 - Qualification of Plumbers - UPC Part Two.

Sec. 3201 - DEFINITIONS - UPC Chapter 1.

Sec. 3202 - MATERIALS AND METHODS OF CONSTRUCTION - UPC Chapter 2.

Sec. 3203 - GENERAL REGULATIONS - UPC Chapter 3 except as hereinafter amended.

Sec. 3203-13 - Independent Systems - The drainage system of each new building and of new work installed in any existing building shall be separate and independent from that of any other building and when available every building shall have an independent connection with a public or private sewer.

Exception - Where one building stands in the rear of another building on an interior lot, and no private sewer is available or can be constructed to the rear building through an adjoining court, yard or driveway, the building drain from the front building may be extended to the rear building.

Sec. 3203-15 - Protection of Piping, Materials and Structures.

Sec. 3203-15.1 - UPC Sec. 315 (a).

Sec. 3203-15.2 - UPC Sec. 315 (b).

Sec. 3203-15.3 - UPC Sec. 315 (c).

Sec. 3203-15.4 - No building sewer or other drainage piping or part thereof, unless of cast iron, shall be installed less than twelve inches (12") below the surface of the ground.

Sec. 3203-15.5 - UPC Sec. 315 (e).

Sec. 3203-15.6 - UPC Sec. 315 (f).

Sec. 3203-18 - Inspection and Testing.

Sec. 3203-18.1 - Inspections.

Sec. 3203-18.1.1 - Scope - All new plumbing work, and such portions of existing systems as may be affected by new work or any changes shall be inspected by the Administrative Authority to insure compliance with all the requirements of this Code and to assure that the installation and construction of the plumbing system is in accordance with approved plans. Special construction and inspection may be required on work involving special hazards or conditions and on work requiring extensive, unusual or constant inspection. The Special Inspector shall be a qualified person approved and registered by, and reporting to, the Administrative Authority.

Sec. 3203-18.1.2 - Advance Notice - UPC Sec. 318 1 (b).

Sec. 3203-18.1.3 - Responsibility - UPC Sec. 318 1 (c).

Sec. 3203-18.1.4 - Retesting - UPC Sec. 318 1 (d).

Sec. 3203-18.1.5 - Test - UPC Sec. 318 1 (e).

Sec. 3203-18.1.6 - Corrections - UPC Sec. 318 1 (f).

Sec. 3203-18.1.7 - Approval - UPC Sec. 318 1 (g).

Sec. 3203-18.1.8 - Covering or Using - UPC Sec. 318 1 (h).

Sec. 3203-18.1.9 - Uncovering - UPC Sec. 318 1 (i)

Sec. 3203-18.2 - Testing - UPC Sec. 318 2.

Sec. 3204 - DRAINAGE SYSTEMS - UPC Chapter 4.

Sec. 3205 - VENTS AND VENTING - UPC Chapter 5 except as herein-after amended.

Sec. 3205-6 - Vent Termination.

Sec. 3205-6.1 - UPC Sec. 506 (a).

Sec. 3205-6.2 - Each vent shall terminate not less than ten (10) feet from or at least three (3) feet above any window, door, opening, air intake or vent shaft, nor less than five (5) feet in every direction from any lot line, street and alley excepted.

Sec. 3205-6.3 - UPC Sec. 506 (c).

Sec. 3205-6.4 - UPC Sec. 506 (d).

Sec. 3205-6.5 - UPC Sec. 506 (e).

Sec. 3206 - INDIRECT WASTE PIPING, WET VENTED SYSTEMS, AND SPECIAL WASTES - UPC Chapter 6.

Sec. 3207 - TRAPS AND INTERCEPTORS - UPC Chapter 7.

Sec. 3208 - JOINTS AND CONNECTIONS - UPC Chapter 8.

Sec. 3209 - PLUMBING FIXTURES - UPC Chapter 9 except as herein-

after amended.

Sec. 3209-7 - Installation.

Sec. 3209-7.1 - Cleaning - UPC Sec. 907 (a).

Sec. 3209-7.2 - Joints - Where a fixture comes in contact with wall or floor, the joint must be made watertight.

Sec. 3209-7.3 - Securing Fixtures - UPC Sec. 907 (c).

Sec. 3209-7.4 - Wall-hung fixtures - UPC Sec. 907 (d).

Sec. 3209-7.5 - Setting - UPC Sec. 907 (e).

Sec. 3209-7.6 - Supply Fittings - UPC Sec. 907 (f).

Sec. 3210 - WATER DISTRIBUTION - UPC Chapter 10.

Sec. 3211 - BUILDING SEWERS AND PRIVATE SEWAGE DISPOSAL SYSTEMS - UPC Chapter 11 except as hereinafter amended.

Sec. 3211-5 - Size of Building Sewers - The minimum size of any building sewer shall be determined on the basis of the total number of fixture units drained by such sewer, in accordance with Table 4-3; except that a 4" line is the minimum acceptable size.

Sec. 3211-7 - Cleanouts.

Sec. 3211-7.1 - Cleanouts shall be placed in every building sewer at the junction with the soil pipe at the building, and at intervals not to exceed one hundred (100) feet in straight runs. Where such cleanouts are brought to grade, the length of the riser shall be included in the allowable interval between cleanouts.

Sec. 3211-7.2 - UPC Sec. 1107 (b).

Sec. 3211-7.3 - UPC Sec. 1107 (c).

Sec. 3211-7.4 - UPC Sec. 1107 (d).

Sec. 3211-7.5 - UPC Sec. 1107 (e).

Sec. 3211-15 - Septic Tank Construction.

Sec. 3211-15.1 - UPC Sec. 1115 (a).

Sec. 3211-15.2 - UPC Sec. 1115 (b).

Sec. 3211-15.3 - UPC Sec. 1115 (c).

Sec. 3211-15.4 - UPC Sec. 1115 (d).

Sec. 3211-15.5 - UPC Sec. 1115 (e).

Sec. 3211-15.6 - UPC Sec. 1115 (f) is hereby deleted.

Sec. 3211-15.7 - UPC Sec. 1115 (g).

Sec. 3211-15.8 - UPC Sec. 1115 (h).

Sec. 3211-15.9 - UPC Sec. 1115 (i).

Sec. 3211-15.10 - UPC Sec. 1115 (j).

Sec. 3211-15.11 - UPC Sec. 1115 (k).

Sec. 3211-15.12 - UPC Sec. 1115 (l).

Sec. 3211-15.13 - UPC Sec. 1115 (m).

Sec. 3211-15.14 - UPC Sec. 1115 (n).

Sec. 3212 - FUEL GAS PIPING - UPC Chapter 12 except as herein-after amended.

Sec. 3212-15 - Liquefied Petroleum Gas Facilities and Piping-  
In addition to the requirements of this code for gas piping, the facilities and piping for use with liquefied petroleum gas shall meet the following requirements:

Sec. 3212-15.1 - UPC Sec. 1215 (a).

Sec. 3212-15.2 - UPC Sec. 1215 (b).

Sec. 3212-15.3 - UPC Sec. 1215 (c).

Sec. 3212-15.4 - UPC Sec. 1215 (d).

Sec. 3212-15.5 - UPC Sec. 1215 (e).

Sec. 3212-15.6 - Liquefied petroleum gas piping shall not serve any gas burning appliance or device located in a pit or basement where heavier than air gas might collect to form a flammable mixture.

Sec. 3212-15.7 - UPC Sec. 1215 (g).

Sec. 3212-15.8 - UPC Sec. 1215 (h).

Sec. 3212-15.9 - UPC Sec. 1215 (i).

Sec. 3213 - WATER HEATERS AND VENTS - UPC Chapter 13 except as hereinafter amended.

Sec. 3213-5 - Gas-Fired Water Heater Approval Requirements.-

Sec. 3213-5.1 - UPC Sec. 1305 (a).

Sec. 3213-5.2 - UPC Sec. 1305 (b).

Sec. 3213-5.3 - Notwithstanding standards for equipment and installation or listings of approved testing agencies, all gas storage-type water heaters and hot water boilers, in addition to the primary temperature control, shall be equipped with a temperature-limiting device which shall consist of either an automatic energy shutoff system, a temperature relief valve, or a combination temperature and pressure relief valve that has been tested on the water heater or boiler. The above required temperature-limiting device shall be installed at the factory or shipped with the appliance, accompanied by complete instructions for the installation. When it is designed to shut off the source of energy, it shall activate a valve or relay which is separate from the valve or relay operated by the primary temperature control.



Sec. 3213-6 - Oil Burning and Other Water Heaters.

Sec. 3213-6.1 - UPC Sec. 1306 (a).

Sec. 3213-6.2 - Notwithstanding standards for equipment and installations or listings of approved testing agencies, all storage-type water heaters and hot water boilers, regardless of source of energy, in addition to the primary temperature control, shall be equipped with a temperature-limiting device which shall consist of either an automatic energy shutoff system, a temperature relief valve or a combination temperature and pressure relief valve that has been tested on the water heater or boiler. The above-required temperature-limiting device shall be installed at the factory or shipped with the appliance, accompanied by complete instructions for its installation. When it is designed to shut off the source of energy, it shall activate a valve or relay which is separate from the valve or relay operated by the primary temperature control.

Sec. 3280 - CAMARILLO SANITARY DISTRICT - None of the provisions of the Plumbing Code or this Ordinance relating to the use of public and private sewers and drains; the installation and construction of building sewers; the installation of sewer laterals and public sewer main extensions; fixing fees and requiring permits for installation and construction of sanitary sewers; and regulating the discharge of waters and wastes into public sewer systems shall apply within the boundaries of the Camarillo Sanitary District of Ventura County as such boundaries presently are constituted or may subsequently be changed by proper annexation or other proceedings.

Sec. 3281 - OAK VIEW SANITARY DISTRICT - None of the provisions of the Plumbing Code or of this Ordinance Code relating to the inspection of the installation of outdoor plumbing and sewerage lines and facilities and the fixing of fees and requiring of permits therefor shall be applicable within the boundaries of the Oak View Sanitary District as such boundaries presently exist or as they may properly exist in the future.

Sec. 3283 - MEINERS OAKS SANITARY DISTRICT - None of the provisions of the Plumbing Code or of this Ordinance Code relating to the inspection of the installation of outdoor plumbing and sewerage lines and facilities and the fixing of fees and requiring of permits therefor shall be applicable within the boundaries of the Meiners Oaks Sanitary District as such boundaries presently exist or as they may properly exist in the future.

## ARTICLE I

## UNIFORM WIRING CODE

Sec. 3300 - UNIFORM WIRING CODE - The Uniform Wiring Code, 1965 Edition published by Building News Inc. and promulgated by the Southern California Chapter, International Association of Electrical Inspectors, is hereby adopted and incorporated herein by reference as though set forth in full; provided however, that the Uniform Wiring Code, as incorporated shall be subject to the amendments, deletions and additions contained in this Article.

Sec. 3300-0 - Introduction - UWC Sections 1, 1.1, 1.2 and 1.3.

Sec. 3301 - ADMINISTRATION - UWC Article I except as hereinafter amended.

Sec. 3301-10.1 - Electrical Safety Engineer - There is hereby created the office of Electrical Safety Engineer. Whenever the term "Electrical Safety Engineer" is used in this Article, it shall mean, and be understood as referring to the Director of Building and Safety.

Sec. 3301-10.5 - Disconnection - The Electrical Safety Engineer is authorized to order discontinuance of service to any electrical: wiring, devices, appliances, or equipment he finds to be dangerous to persons or property, or when use has been abandoned. When such wiring, device, appliance or equipment has been made safe to operate, he shall permit it to be reconnected or authorize reconnection of service.

Sec. 3301-10.7 - Moved Buildings - All buildings proposed to be moved into or within Ventura County shall be examined for adequacy and for hazardous wiring. Any electrical: wiring, equipment, appliances, or devices, which are damaged, unserviceable, or hazardous shall be replaced. In buildings where a metallic wiring system is required but the existing installation is of some other approved type of wiring system, the original type of installation may be employed to correct deficiencies on work representing not more than 25% of a circuit. New work, repairs, or additions to existing circuits representing more than 25% of that circuit shall be made with materials required for new installations. Portions of wiring systems which are concealed within walls or other places inaccessible for visual inspection may be subjected to any type of test deemed appropriate by the electrical inspector to evaluate the adequacy or acceptableness of such system.

Sec. 3301-10.8 - Public Utility - No permit shall be required by a public utility in connection with rendering of service to any building or structure by said public utility.

Sec. 3301-10.9 - Agricultural - The provisions of this ordinance shall not apply to wind machines located on property used for agricultural production provided said property has an area of 2-1/2 acres or more.

Sec. 3302 - PERMITS - UWC Article II.

Sec. 3302-20.10 - Permit Required - No electrical work for which a permit is required shall be commenced in any building or premises until a permit to do such work shall have first been obtained. Any person who shall commence any electrical work for which a permit is required by this Code without first having obtained a permit therefor shall, if subsequently permitted to obtain a permit, pay double the permit fee by this section for such work.

Exceptions: This provision shall not apply to emergency work when it shall be proved to the satisfaction of the Administrative Authority that such work was urgently necessary and that it was not practical to obtain a permit before the commencement of the work. In such cases a permit must be obtained as soon as practical, and, if there be an unreasonable delay in obtaining such permit, a double fee as herein provided shall be charged.

Sec. 3303 - FEES - UWC Article III except as hereinafter amended.

Sec. 3303-30.6 - Plan Checking Fees - When plans and specifications are required for checking, a plan checking fee equal to one-half the permit fee shall be charged.

Sec. 3304 - ENFORCEMENT - UWC Article IV.

Sec. 3305 - INSTALLATION STANDARDS - UWC Article V except as hereinafter amended.

Sec. 3305-50.1 - Standards for the Installation of Electrical Equipment - Installations: All electrical installations, industrial, commercial and residential, within the governmental jurisdiction covered by the Ventura County Ordinance Code, shall be in conformity with the provisions of this Code, State Electrical Safety Orders, and the National Electrical Code, 1965 Edition.

Sec. 3305-50.4 - Delete UWC Sec. 50.4.

Sec. 3305-50.8 - Rigid Conduit or other approved raceways shall be required in concrete or masonry floors and walls, or where exposed to weather. Underground wiring shall be installed with approved materials and methods.

Sec. 3306 - ALTERATIONS AND ADDITIONS - UWC Article VI.

Sec. 3307 - SERVICES - UWC Articles VII through XIV, inclusive except as hereinafter amended.

Sec. 3307-70.4 - Delete UWC Sec. 70.4.

Sec. 3308-80.1 - Delete UWC Sec. 80.1.

Sec. 3314-140.4 - Spare Circuit Protection Devices: - Where provisions for spare circuit protection devices are provided on the bus, in any flush mounted panel, then two (2) metal raceways of 3/4 inch capacity or equivalent shall be provided to an accessible underfloor or attic location, with not less than 18" vertical clearance, terminating in a box.

- Sec. 3315 - WIRING METHODS - UWC Article XV.
- Sec. 3316 - VOLTAGE DROP - UWC Article XVI.
- Sec. 3317 - BRANCH CIRCUIT REQUIREMENTS - UWC Article XVII.
- Sec. 3318 - LOW VOLTAGE REMOTE CONTROL WIRING SYSTEMS - UWC Article XVIII.
- Sec. 3319 - CIRCUIT RATINGS IN DWELLINGS - UWC Article XIX.
- Sec. 3320 - CONDUCTORS - UWC Article XX.
- Sec. 3321 - DEMAND FACTORS - UWC Article XXI.
- Sec. 3322 - DEMAND FACTORS - UWC Article XXII except as hereinafter amended.
- Sec. 3322-220.3 - Delete UWC Sec. 220.3.
- Sec. 3323 - CALCULATION OF LOAD - UWC Article XXIII except as hereinafter amended.
- Sec. 3323-230.10 - Delete UWC Sec. 230.10.
- Sec. 3324 - GASEOUS TUBE LIGHTING - UWC Article XXIV except as hereinafter amended.
- Sec. 3324-240.2 - Delete UWC Sec. 240.2.
- Sec. 3325 - SWIMMING POOLS - UWC Article XXV.
- Sec. 3330 - PENALTIES - UWC Article XXX.

#### ARTICLE II

Sec. 3340 - NATIONAL ELECTRICAL CODE - The National Electrical Code, 1965 Edition, promulgated by the National Fire Protection Association, is hereby adopted and incorporated herein by reference as though set forth in full.

#### ARTICLE III

Sec. 3350 - STATE OF CALIFORNIA ELECTRICAL SAFETY ORDERS - The latest Edition of the State of California Electrical Safety Orders, contained in Title 8 of the California Administrative Code, is hereby adopted and incorporated herein by reference as though set forth in full.

CHAPTER 6 - MISCELLANEOUS STRUCTURES

ARTICLE I - SWIMMING POOLS

Sec. 3600 - ADMINISTRATOR - The Director of Building and Safety is designated as the Administrator of this chapter.

Sec. 3601 - PURPOSE - The purpose of this chapter is to protect the public interest, safety, health and welfare in the construction of swimming pools.

Sec. 3602 - DEFINITIONS - For the purpose of this section certain terms are defined as follows:

Sec. 3602-1 - Pool - Any constructed pool intended for swimming.

Sec. 3602-2 - Expansive Soil - Expansive soil shall include any soil whose expansiveness is 4% or more when tested in accordance with Section 3128-5.4.

Sec. 3602-3 - Hillside Areas - Areas where there is a difference of 4-feet in adjacent building lot elevations.

Sec. 3603 - PLANS - All applications for permits for construction of pools shall be accompanied by plans. Such plans shall include sufficient topographic information to indicate the nature of the land. If grading is required, the plans will be required to conform to the grading requirements of the Ventura County Ordinance Code.

Sec. 3603-1 - Fees - Fees for plan checking and permits shall be based on Table 3-A, Volume I, of the Uniform Building Code.

Exception: Plans which have been classified by the Building Official as standard plans may be checked for one-half the normal plan checking fee.

To receive consideration for standard plans an applicant must first furnish the Building Department with four copies of each plan which is requested to be classified as a "standard plan", and the payment of a full plan checking fee. The Building Official shall issue a standard plan number for such such plan and when approved, one copy of such plan shall be kept on file in each Building Department Office. Subsequent applications for permits for construction of pools which have been granted a standard plan number will require the submission of an application, one copy of a plan, which will then be compared with the plan on file, and if found to be identical the permit may then be issued without a formal plan check. In case of any deviation whatsoever from this standard plan, complete plans together with a full plan checking fee shall be submitted for the proposed work.

Sec. 3603-2 - Additional Fees - Continuous inspection will be required on all gunite and dry-pack pools. An additional fee of \$30.00 shall be collected for this purpose.

Exception: Continuous inspection will not be required on poured concrete pools whose walls are double-formed above a point where the bottom of the pool slopes 33 degrees or more relative to a horizontal plane.

Sec. 3603-3 - Other Permits - Separate permits shall be required for plumbing, heating, and electrical work.

Sec. 3604 - INSPECTION - Contractors shall give thirty-six (36) hours notice regarding time and place for gunite inspection.

Sec. 3604-1 - Clearance - Electrical inspection clearance for grounding or reinforcing plumbing and conduit is required prior to approval of reinforcing steel for guniting or concreting.

Sec. 3605 - GENERAL REQUIREMENTS.

Sec. 3605-1 - Signature - Structural plans and calculations shall be signed by a registered civil engineer or architect licensed by the State of California.

Sec. 3605-2 - Soils Test - All pools shall have a soils test unless constructed to conform with expansive soil design.

Sec. 3605-3 - Plan - A plot plan shall be submitted showing distances from all adjacent structures and property lines.

Sec. 3606 - WASTE WATER DISPOSAL - Swimming pool waste water shall be disposed of as set forth in Appendix G of the Uniform Plumbing Code.

Sec. 3607 - SURFACE WATER - When a pool deck extends to within 3-feet of an adjacent property, means shall be provided to conduct splash water to a satisfactory point of disposal.

Sec. 3608 - GRADING REQUIREMENTS.

Sec. 3608-1 - Drainage Patterns - Yard drainage patterns disturbed by the installation of a swimming pool shall be regraded to the extent necessary to conduct surface water to satisfactory point of disposal.

Sec. 3608-2 - Relief Valve - In areas of high water tables a hydrostatic relief valve shall be placed at the low point of the pool.

Sec. 3609 - DESIGN - General.

Sec. 3609-1 - Compressive Strength - The specified compressive strength of pneumatically applied mortar (gunite) and dry pack concrete shall be 2000 p.s.i.

Sec. 3609-2 - Earth Pressures - Pool walls shall be designed for earth pressures as specified in Section 2310 UBC, or designed for expansive soil as specified herein.

Sec. 3609-3 - Hydrostatic Pressure - Hydrostatic pressure shall be used in an outward direction as a design criteria where concrete is not deposited against natural undisturbed earth or approved compacted fill.

Sec. 3609-4 - Pool Walls - Sloping or radius type pool walls shall be designed for specified loads where walls have an angle with the horizontal greater than 33 degrees.

Sec. 3609-5 - Reinforcing Steel - Minimum required reinforcing steel in either direction shall be 1/10 of 1 per

cent of area cross section with a maximum spacing of 18".

Sec. 3609-6 - Cover - Reinforcing steel shall have a minimum cover of 2".

Sec. 3609-7 - Pools in Expansive Soils - The following minimum construction requirements will be required for all pools located in expansive soils:

Sec. 3609-7.1 - Design Formula - The design formula to be used in calculating lateral earth pressure on the pool wall shall be  $P = 45 H + P_s$ .

IN WHICH:  $P$  = Lateral pressure in pounds per square foot.

$H$  = Vertical distance in feet below the ground surface.

$P_s$  = Lateral pressure due to any surcharge loading.

Sec. 3609-7.2 - Bond Beams - The design of bond beams and the thickness and amount of reinforcing steel in the bottom of pools shall be given special consideration. Bond beams shall have a minimum of four No. 3 bars.

Sec. 3609-7.3 - DECK - All pools shall be provided with a 3-1/2" thick concrete or equally impervious deck sloping away from the pool with a minimum width of four feet and having a lip extending 6" below the bottom of the deck at its outer edge. Also sufficient joints shall be provided to allow for vertical differential movement and minimize adverse affects to deck. All joints in the deck and coping shall have approved permanent resilient waterproof seals. The coping shall be set in a solid bed of mortar. The soil around the pool shall slope away to prevent ponding or a drainage system be provided to collect surface water.

Exception: The deck may be omitted provided that the pool shell is designed to resist external forces equivalent to full hydrostatic pressure (62.4 lbs.) +  $P_s$  and the bond beam has a thickness of not less than 12" and is reinforced with a minimum of 3 - #4 bars in each face.

Sec. 3609-8 - Pools in Uncertified Fill Soils - The Department may issue permits for "floating type" pools, when in the opinion of the Building Official, good engineering practice would permit the conditional use of such pool subject to compliance with the following conditions and such other precautions that the Building Official deems necessary:

Sec. 3609-8.1 - Recommendation - Soils Engineer - A favorable recommendation from a soils engineer based upon findings in the field relative to the materials making up the fill, density, containment, drainage factors and any additional conditions which may affect the pool structure or its foundation.

Sec. 3609-8.2 - Vertical Support - The pool is designed under the assumption that it receives vertical support from the soil lying under the pool bottom. The limits of the supporting soil shall be below a line drawn around the perimeter of the pool and located on the

bottom where a line sloping at 33-degrees with the horizontal is tangent to the pool bottom.

Sec. 3609-8.3 - Pool Walls - Pool walls shall be designed assuming no support from the surrounding soil as well as a 30 p.s.f. equivalent fluid pressure acting inward.

Sec. 3609-8.4 - Pit Location - The pit for the pool backwash shall not be located within the fill material.

Sec. 3610 - CONSTRUCTION.

Sec. 3610-1 - Changes - All changes shall be approved in writing by the design engineer or architect before they will be reviewed by the Department.

Sec. 3610-2 - Placing Gunite.

Sec. 3610-2.1 - Application - Application of gunite shall comply with Section 2627 UBC.

Sec. 3610-2.2 - Procedure - In gunite pools, the portion of the floor adjacent to the walls shall be placed before any material is deposited in the wall. A sufficient width shall be placed to facilitate the removal of rebound from the wall section.

Sec. 3611 - POOL FENCING ENCLOSURES.

Sec. 3611-1 - Fence - All pools will require a fence enclosure, all portions of which shall be a minimum of 5-feet high. The walls of any building situated on a lot containing a pool may be considered as part of the fencing requirements.

Sec. 3611-2 - Gates - Gates shall be self-closing and self-latching, with such latch situated not less than 4' - 6" above the ground.

Sec. 3611-3 - Filling Pool - Pools shall not be filled with water until the enclosing fence has been constructed and approved.

Sec. 3611-4 - Materials of Construction - The following materials for construction of fences are approved:

- (a) Solid masonry or concrete.
- (b) Corrosion resistant sheet metal not less than 26 U. S. gauge.
- (c) One-inch nominal solid sheathing.
- (d) Exterior grade plywood 1/2" thick or heavier.
- (e) Ten-gauge corrosion-resistant wire mesh, 2" maximum spacing.
- (f) Pickets. Not in excess of 4-1/2" clear spacing provided horizontal rails are spaced not less than 4' apart.
- (g) Post construction.
  - (1) Metal, galvanized or plain iron, protected against corrosion.
  - (2) Wood, 4x4 nominal dimension, decay resistant and embedded in concrete.




PASSED and ADOPTED this 23rd day of April,  
1968, by the following vote:

AYES: Supervisors Conlan, Appleton, Laubacher, Robinson

NOES: None

ABSENT: Supervisor Bennett

  
Chairman, Board of Supervisors

ATTEST:

ROBERT L. HAMM, County Clerk  
County of Ventura, State of  
California & ex officio Clerk  
of the Board of Supervisors  
thereof

By Joyce Hillard  
Deputy

