

ORDINANCE NO. 84-087

ADOPTED BY THE SACRAMENTO CITY COUNCIL ON DATE OF

AUG 21 1984

AN ORDINANCE ADOPTING THE UNIFORM MECHANICAL CODE, 1982 EDITION, AND REPEALING AND REENACTING ARTICLE V OF CHAPTER 9 OF THE SACRAMENTO CITY CODE PERTAINING TO AMENDMENTS TO THE UNIFORM MECHANICAL CODE.

BE IT ENACTED BY THE COUNCIL OF THE CITY OF SACRAMENTO:

SECTION 1.

Section 9.06(c) of the Sacramento City Code is hereby amended to read as follows:

(c) The Uniform Mechanical Code, 1982 Edition, including the appendices thereto, as published by the International Conference of Building Officials. (Amended by Article V herein.)

SECTION 2.

Article V of Chapter 9 of the Sacramento City Code is hereby repealed and reenacted to read as follows:

Article V. Uniform Mechanical Code

Section 9.250. Amendments to the Uniform Mechanical Code, 1982 Edition.

The Uniform Mechanical Code 1982 Edition (UMC) is amended by adding thereto, deleting therefrom or amending the following numbered sections.

Section 9.251. Title Lines.

For the purpose of this article, and notwithstanding the provisions of Section 1.6 of the Sacramento City Code, the title lines (or "catchwords") to the following sections shall be deemed to be a part of such sections.

Section 9.252. Deletion of Sections 201(a), (b), (c) and 203 from the UMC.

Section 201(a), (b), (c) and 203 are hereby deleted from Chapter 2 of the UMC.

Section 9.253. Deletion of Sections 303, 304, 305(f), and Table No. 3-A from the UMC.

Section 303, 304, 305(f), and Table No. 3-A are hereby deleted from Chapter 3 of the UMC.

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Section 9.254. Adoption of UMC Appendices.

Chapter 21 of Appendix B, and Appendix C of the UMC are hereby adopted, together with amendments thereto that may be hereinafter indicated, as part of this code.

Section 9.255. Amendment of Section 510 of the UMC.

Section 510 of the UMC is amended to read as follows:

Section 510. Condensate from air cooling coils and the overflow from evaporative coolers and similar water supplied equipment shall be collected and discharged to an approved plumbing fixture or approved disposal area.

An approved plumbing fixture for the purpose of this section shall be:

(1) an approved trapped and vented receptor connected to a sanitary sewer; or (2) downspouts may be used when they terminate in an approved disposal area.

An approved disposal area for the purpose of this section shall be:

(1) a drywell with a rock fill, (2) a planting area large enough to accept the discharge wastes, (3) a storm drain system, or (4) a sanitary sewer system.

The drain shall have a slope of not less than 1/8 inch per foot and shall be of approved corrosion-resistant pipe not less in size than 3/4 inch for air cooling coils and not less than the drain outlet size for evaporative coolers or other equipment.

Condensate or waste water shall not drain over a public way, nor over any improved private walkway, driveway, or improved surface. A public way for the purpose of this section shall be as defined in the Uniform Building Code. The Building Official must make the final determination that no nuisance will be caused by the condensate.

The installation of condensate piping shall be as follows:

1. MATERIALS (Pipe). Approved corrosion-resistant pipe for the purpose of this section shall be: ABS-DWV, cast iron, Durham Systems, hard drawn copper, PVC-DWV, Schedule 40 Type 1 1120-1220 PVC plastic piping.

2. MATERIALS (Fittings). Short pattern 90 ells are prohibited. Use only recessed pattern fittings. Drainage pattern fittings are required for piping 1 1/2 inch and larger.

3. TRAPS. A trap shall be installed in the condensate drain line, at the evaporator unit, when required by the manufacturers installation instructions.

4. CLEANOUTS. The installation and location of cleanouts in condensate drain lines shall conform to the manufacturers installation instructions. In the absence of such specifications in the installation instructions, an accessible cleanout shall be required at the unit. Plugged tees, union connections or short clamped hose sections at the unit are all acceptable cleanouts.

Main condensate piping receiving condensate waste from more than one evaporator outlet shall be provided with an accessible cleanout at each change of direction.

5. HANGERS AND SUPPORTS. All condensate piping shall be supported so as to maintain a straight alignment, a uniform slope, and at intervals required by the Uniform Plumbing Code.

6. THERMAL EXPANSION. Allow for thermal expansion and movement in all plastic piping installations by the use of approved methods. Support, but do not rigidly restrain, piping at branches or changes of direction. Do not anchor rigidly in walls. Holes through framing members shall be adequately sized to allow free movement.

7. PROTECTION FROM DAMAGE. Plastic piping passing through wood studs or plates shall be protected from puncture by a minimum 1/16 inch thick steel plate. All plastic piping shall be protected from concrete "form" oil, direct sunlight, and mechanical damage.

8. PIPE SIZE. Pipe size shall be as shown in the following table:

NUMBER OF HORIZONTAL WASTE OUTLETS FROM EVAPORATOR(S)

	<u>PIPE SIZE</u>				
	<u>3/4"</u>	<u>1"</u>	<u>1 1/4"</u>	<u>1 1/2"</u>	<u>2"</u>
Copper, Plastic	1	2	6	12	32
Cast Iron, Galvanized Steel (Durham)			4	12	32

Note: Vertical piping from condensate pumps may be sized as the pump outlet. Horizontal piping to be sized from this table.

Unless roofs are adequately sloped to drain over roof edges or to roof drains, provisions shall be made to eliminate defrost water.

Section 9.256. Amendment of Section 708 of the UMC.

Section 708 of the UMC is amended to read as follows:

Section 708. A warm-air furnace installed in an attic or furred space less than five (5) feet in height at the furnace location shall be listed for installation in such area and for use on combustible flooring.

Clearances of a warm-air attic furnace from combustibles shall be as specified in Section 502.

An attic or furred space in which a warm air furnace is installed shall be accessible by an opening and passageway as large as the largest piece of the furnace and in no case less than 30 inches by 30 inches continuous from the opening to the furnace and its controls. In residential truss roof construction, the furnace may be accessible by an opening as large as the largest piece of equipment but in no case less than 22 inches by 34 inches. The distance from the passageway access to furnace shall not exceed 20 feet measured along the center line of the passageway. Every passageway shall be unobstructed and shall have continuous solid flooring not less than 24 inches wide from the entrance opening to the furnace.

A permanent electric outlet and lighting fixture controlled by a switch located at the required passageway opening shall be provided at or near the furnace.

Section 9.257. Amendment of Section 1202(a) of the UMC.

Section 1202(a) of the UMC is amended to read as follows:

Except for piping, ducts and similar equipment that does not require servicing or adjusting, an unobstructed access and passageway not less than 2 feet in width by 6 feet 6 inches in height shall be provided to cooling units.

EXCEPTION: The access opening to a cooling unit located in an attic space may be reduced to 30 inches in length and width, provided the unit can be replaced from this opening or another opening into this space or area. In residential truss roof construction, the cooling system may be accessible by an opening as large as the largest piece of equipment but in no case less than 22 inches by 34 inches.

Section 9.258. Amendment of Section 2102 of UMC Appendix B.

Section 2102 of Appendix B of the UMC is amended to read as follows:

Section 2102 Scope.

The requirements of UMC Appendix B Chapter 21 shall apply to the construction, installation, operation, repair and alteration of all boilers and pressure vessels.

EXCEPTION: 1. Listed or approved pressure vessels (hot-water tanks) with a nominal water containing capacity of 120 gallons or less having a heat input of 200,000 Btu/h or less used for hot-water supply at pressure of 160 pounds per square inch or less and at temperatures of 200° F. or less.

2. Pressure vessels used for unheated water supply, including those containing air which serves only as a cushion and is compressed by the introduction of water and tanks connected to sprinkler systems.
3. Portable unfired pressure vessels and I.C.C. containers.
4. Containers for liquefied petroleum gases, bulk oxygen and medical gas, which are regulated by the Fire Code.
5. Unfired pressure vessels in Groups B, H, R and M Occupancies having a volume of 5 cubic feet or less and operated at pressures not exceeding 250 psi.
6. Pressure vessels used in refrigeration systems which are regulated by Chapter 15 of the UMC.
7. Pressure tanks used in conjunction with coaxial cables, telephone cables, power cables, and other similar humidity control systems.
8. Any boiler or pressure vessel subject to regular inspection by Federal Inspectors or licensed by Federal authorities.
9. Any steam boiler subject to regular inspections as required by the California State Division of Industrial Safety (Steam Boilers operating at pressures over fifteen (15) pounds per square inch and located in buildings where people are employed); however, this exception shall not apply to Sections 2115, 2117, 2118, 2119, 2120, 2121, and 2127 of the UMC.

Section 9.259. Amendment of Section 2108 of UMC Appendix B.

Section 2108 of the UMC Appendix B is amended to read as follows:

Section 2108. (a) Relief valves for hot water boilers shall be installed as required by the Uniform Plumbing Code for water heating devices.

(b) Relief valves for steam boilers shall discharge to an approved closed condensate tank.

Section 9.260. Deletions of Sections 2124 and 2125 from UMC Appendix B.

Sections 2124 and 2125 of UMC Appendix B are deleted.

SECTION 3.

It is hereby found and determined that each of the modifications or changes to the requirements of the Uniform Mechanical Code made by the provisions of this ordinance is reasonably necessary, because of local climatic, geographic or topographical conditions.

The City Council finds as follows:

- a) Section 9.252 allows the city to maintain their existing administrative organization. This does not affect the substantive requirements of the uniform code.
- b) Section 9.253 - See 9.252.
- c) Section 9.254 Local jurisdictions have the option of adopting the appendices. This does not affect the substantive requirements of uniform code.
- d) Section 9.255 maintains, and editorially clarifies, an existing requirement of the City Code and is necessary because of the high temperatures experienced in this area, the resulting high number of air conditioning systems installed in this area, and the potential problems which could arise if the condensate and waste water from such systems were not properly disposed of.
- e) Section 9.256 maintains an existing requirement of the City Code and is necessary because of the widespread use of residential truss roof construction in this area.
- f) Section 9.257 - See 9.256.
- g) Section 9.258 - 9.260 Local jurisdictions have the option of adopting the appendices. This does not affect the substantive requirements of the uniform code.

DATE PASSED FOR PUBLICATION: AUG 14 1984

DATE ENACTED: AUG 21 1984

DATE EFFECTIVE: SEP 20 1984

Gene Riden
MAYOR

ATTEST:

Genevieve Morgan
CITY CLERK