

ORDINANCE NO. 13-1990

AN ORDINANCE ADOPTING THE 1988 UNIFORM FIRE CODE INTO THE ABILENE MUNICIPAL CODE, BY AMENDING AND ADDING CERTAIN SECTIONS AS SET OUT BELOW; DELETING CERTAIN SECTIONS AS SET OUT BELOW; AND PROVIDING A SEVERABILITY CLAUSE.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS:

Part 1: That Article 3, Fire Prevention Code sec. 10-46 of the Abilene City Code be amended by deleting the current section 10-46 in its entirety and substituting therefore the following, subject to the amendments, as set out in Exhibit A, attached hereto and made a part of this ordinance for all purposes:

The uniform Fire Code, 1988 Edition, thereof, published by the International Conference of Building Officials is hereby enacted and adopted by reference as amended as the fire code of the city, and the same is hereby incorporated herein.

Part 2: That if any provision or any section of this ordinance shall be held to be void or unconstitutional, such holding shall in no way affect the validity of the remaining provisions or sections of this ordinance, which shall remain in full force and effect.

PASSED ON FIRST READING this 22 day of March, A.D. 1990.

PASSED ON SECOND AND FINAL READING this 12 day of April, A.D. 1990.

ATTEST:

J. Moore
CITY SECRETARY

Dale Ferguson
MAYOR

APPROVED:

HC
CITY ATTORNEY

EXHIBIT "A"

This pamphlet is to be used in conjunction with the 1988 Uniform Fire Code, published by the International Conference of Building Officials and the Western Fire Chiefs Association. This pamphlet and the 1988 Uniform Fire Code comprise the Fire Code for the City of Abilene, Texas.

Exhibit "A"

PART I ADMINISTRATION

**ARTICLE 1
TITLE, INTENT AND SCOPE**

Adopt 1988 U.F.C. in its entirety

**ARTICLE 2
ORGANIZATION, AUTHORITY, DUTIES AND PROCEDURES**

Adopt 1988 U.F.C. in its entirety with the following changes:

Division III special Procedures

Sec. 2.303 Board of Appeals amend to read as follows.

In order to determine the suitability of alternate materials and methods of construction and to provide for reasonable interpretation of this Fire Code, the "Board of Building Standards", as established in Sec. 16-3 of the City Code of the City, is charged with hearing appeals from any decision of the Fire Chief, or his authorized representation concerning the Fire Code. Any reference to the Board of Appeals in the Fire Code shall be construed to mean and does mean the "Board of Building Standards" as established in Chapter 8 of the Municipal Code of the City Code of this city. In ruling on such appeals, the Board of Building Standards shall render no decision which is contrary to or inconsistent with provisions of this code. In the event the Board should be of the opinion that any provision or provisions of this Code should be amended, it shall make such recommendation to the City Council for consideration

**ARTICLE 3
COMPLIANCE WITH ORDERS AND NOTICES**

Adopt 1988 U.F.C. in its entirety

**ARTICLE 4
PERMITS**

Adopt 1988 U.F.C. in its entirety with the following changes.

Permit Required Sec. 4.108 amends to read

t.2. Tents, canopies and temporary membrane air-supported structures to erect or operate a tent or air-supported temporary membrane structure having an area in excess of 400 square feet, or any canopy in excess of 1600 square feet when open on three or more sides, except for structures used exclusively for camping. See Articles 12 and 32

PART II DEFINITIONS AND ABBREVIATIONS

**ARTICLE 9
DEFINITIONS AND ABBREVIATIONS**

Adopt 1988 U.F.C. in its entirety

PART III GENERAL PROVISIONS FOR FIRE SAFETY

**ARTICLE 10
FIRE PROTECTION**

Adopt 1988 U.F.C. in its entirety with the following changes:

Division II General Provisions

Fire Apparatus Access Roads Sec. 10.207 amend to read as follow

- (c) Width. The minimum unobstructed width of a fire apparatus access road shall be not less than 24 feet.
- (f) Surface. Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus, and shall be constructed of a minimum of 6" compacted crushed limestone and 1 1/2" of asphalt covering, or the equivalent.
Exception. A building less than 4 stories in height equipped with automatic fire sprinklers throughout may delete the asphalt covering on access roads.
- (g) Turning Radius. The turning radius of a fire apparatus access road shall be a minimum of 32 feet on the inside radius.
- (h) Turnarounds. All dead-end fire apparatus access roads in excess of 150 feet in length, shall be provided with one of the following turnaround provisions:
(1) A circular area a minimum of 80 feet paved and 100 feet unobstructed in that diameter. (2) A T-Shaped turnaround centered on the intersecting street, with a minimum width of 30 feet, a minimum length of 80 feet, and a minimum turning radius of 30 feet at the intersecting curb.
- (i) Bridges. add "... with a minimum capacity of 60,000 pounds, gross vehicle weight."
- (j) Grade. The gradient for a fire apparatus access road shall not exceed 5%.

Premises Identification Sec. 10.208 (a) amend to read as follows:

Approved numbers or addresses shall be placed on all new and existing buildings in such a position as to be plainly visible and legible from the street or road fronting the property. Said numbers shall contrast with their background and shall be three (3) inches in height.

**Division III Installation and Maintenance of Fire-Protection,
Life-Safety Systems and Appliances**

Automatic Fire-extinguishing Systems Sec. 10.306 (f) Group H Occupancies. amends to read as:

1. Division. 1, 2, 3 and 7. An automatic fire-extinguishing system shall be installed in Group H, Divisions 1, 2, 3 and 7.

PART III GENERAL PROVISIONS FOR FIRE SAFETY

**ARTICLE 10
FIRE PROTECTION**

**Fire-extinguishing Equipment for Protection of Kitchen Grease
Hoods and Ducts Sec. 10.313 (c)**

Adopt in its entirety with the following changes:

The installation of systems shall comply with the requirements of the Mechanical Code. Listed systems shall be installed in accordance with their listing and the manufacturer's instructions. Other systems shall be of an approved design and shall be of one of the following types:

1. Automatic sprinkler system.
2. Dry Chemical extinguishing system.
3. Wet chemical extinguishing system.

All automatic fire-extinguishing systems shall be interconnected to the fuel or supply so that the fuel or current is automatically shut off to all equipment under the hood when the system is actuated.

Shutoffs, valves or switches shall be of the type that require manual operation to reset.

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Exhibit "A"

**ARTICLE 11
GENERAL PRECAUTIONS AGAINST FIRE**

Adopt 1988 U.F.C. in its entirety with the following changes:

Asphalt Kettles Sec. 11.403 (a) Transporting, on Buildings, Extinguishers. Exception: amends to read as follows:

Fire Extinguisher requirement to 4-A, 40-B:C

Exception: Asphalt kettles used for patching operations on streets, roads and highways. Unless required by Dept. of Transportation.

**ARTICLE 12
MAINTENANCE OF EXITS AND OCCUPANT LOAD CONTROL**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 13
SMOKING**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 14
FIRE ALARM SYSTEMS**

Adopt 1988 U.F.C. in its entirety.

PART IV SPECIAL OCCUPANCY USES

**ARTICLE 24
AIRPORTS, HELIPORTS AND HELISTOPS**

Adopt 1988 U.F.C. in its entirety with the following changes:

**Division 1 General
Portable Fire Extinguishers Sec. 24.113**

change fire extinguisher requirements to 4-A:20-B:C in the following:

- (b) On Towing Vehicles.
- (c) On Welding apparatus
- (d) On Aircraft Refuelers
- (e) 1 At Service Stations

**ARTICLE 25
PLACES OF ASSEMBLY**

Adopt 1988 U.F. C. in its entirety.

Exhibit "A"

**ARTICLE 26
BOWLING ALLEYS**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 27
CELLULOSE NITRATE PLASTICS (PYROXYLIN),
STORAGE AND HANDLING**

Adopt 1988 U.F.C. in its entirety

**ARTICLE 28
STORAGE AND HANDLING OF
COMBUSTIBLE FIBERS**

Adopt 1988 U.F.C. in its entirety

**ARTICLE 29
GARAGES**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 30
LUMBER YARDS AND WOODWORKING PLANT**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 31
TIRE-REBUILDING PLANT**

Adopt 1988 U.F.C. In its entirety.

**ARTICLE 32
TENTS, CANOPIES AND TEMPORARY
MEMBRANE STRUCTURES**

Adopt 1988 U.F.C. in its entirety.

**Locations, Access and Parking Sec. 32.105
Table No. 32.105 Location, Access and Parking**

FLOOR AREA	MINIMUM SEPARATION	FIRE ACCESS	MINIMUM DISTANCE
0-5,000	<u>30 FEET</u>	<u>20 FEET</u>	<u>30 FEET</u>
5,001-15,000	<u>30 FEET</u>	<u>20 FEET</u>	<u>30 FEET</u>
Over 15,000	<u>30 FEET</u>	<u>20 FEET</u>	<u>30 FEET</u>

**Portable Fire Extinguishers and Other Fire Protection Appliances
Sec. 32.109**

Change fire extinguisher requirements in 1 A. B. C. to 2-A:20-B:C

Exhibit "A"

**ARTICLE 33
CELLULOSE NITRATE MOTION PICTURE FILM**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 34
AUTOMOBILE WRECKING YARDS, JUNK OR WASTE
MATERIAL HANDLING PLANTS**

Adopt 1988 U.F.C. in its entirety

**ARTICLE 35
COVERED MALL BUILDING**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 36
DRY CLEANING WITH NONCOMBUSTIBLE LIQUIDS**

Adopt 1988 U.F.C. in its entirety.

PART V SPECIAL PROCESSES

**ARTICLE 45
APPLICATION OF FLAMMABLE FINISHES**

**Division II Spray Finishing
Ventilation of Spray Booths and Spray-finishing Areas Sec. 45.206
(a) General.**

amends to read as follows:

All spraying areas shall be provided with mechanical ventilation adequate to prevent the dangerous accumulation of vapors.

Mechanical ventilation shall be kept in operation at all times while spraying operations are being conducted and for a sufficient time thereafter to allow vapors from drying coated articles and dry finishing material residue to be exhausted. The spraying equipment shall be interlocked with the ventilation of spraying area so that the equipment cannot be operated unless the ventilation fans are in operation.

**ARTICLE 46
FRUIT-RIPENING PROCESSES**

Adopt 1988 U.F.C. in its entirety.

Exhibit "A"

**ARTICLE 47
FUMIGATION AND THERMAL
INSECTICIDAL FOGGING**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 48
MAGNESIUM**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 49
WELDING AND CUTTING USING
CALCIUM CARBIDE AND ACETYLENE**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 50
MANUFACTURE OF ORGANIC COATINGS**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 51
SEMICONDUCTOR FABRICATION
FACILITIES USING HAZARDOUS
PRODUCTION MATERIALS**

Adopt 1988 U.F.C. in its entirety.

PART VI SPECIAL EQUIPMENT

**ARTICLE 61
OIL-BURNING EQUIPMENT**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 62
INDUSTRIAL BAKING AND DRYING OVENS**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 63
MECHANICAL REFRIGERATION**

Adopt 1988 U.F.C. in its entirety.

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Exhibit "A"

PART VII SPECIAL SUBJECTS

**ARTICLE 74
COMPRESSED GASES**

**Division II Medical
Nonflammable Medical Gas System Sec. 74.204 (a) Location**

Exception: will be amended to read as follows:

Exception: When an exterior wall cannot be provided for the room, automatic sprinklers shall be installed within the room and the room shall be vented to the exterior through ducting contained within a one-hour-rated shaft enclosure. Approved mechanical ventilation shall provide eight air changes per hour for the room.

**ARTICLE 75
CRYOGENIC FLUIDS**

Adopt 1988 U.F.C. in its entirety .

**ARTICLE 76
PREVENTION OF DUST EXPLOSIONS**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 77
EXPLOSIVES AND BLASTING AGENTS**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 78
FIREWORKS**

Adopt 1988 U.F.C. in its entirety with the following addition:

Permits for Manufacturing, Sale and Discharge Sec. 78.102

Add: (d) Permit request for Class B Fireworks displays shall be submitted to the City Council for approval in accordance with the Abilene City Code, Sec. 20-25..

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**ARTICLE 79
FLAMMABLE AND COMBUSTIBLE LIQUIDS**

Adopt 1988 U.F.C. in its entirety with the following changes:

Division I General Provisions

Abandonment and Status of Tanks Sec. 79.115

(f) Underground Tanks Out of Service One Year adopt with the following changes:

Any underground tank which has been out of service for a period of one year shall be removed from the ground in a manner approved by the chief and the site restored in an acceptable manner. When the chief determines that the removal of the tank is not necessary, he may permit the tank to be abandoned in place. Pending State Water Control Boards Approval.

Fire Protection Sec. 79.205 (a) 2 amend as follows:

change fire extinguisher requirements (both places) to 4 A 40 B:C

**Division IV Container and Portable Tank Storage Outside Building
Location on Property Sec. 79.403**

Change third paragraph to read as follows:

Containers or portable tanks in a pile shall be not more than 150 feet from a 24 foot-wide access way that will allow fire-control apparatus to approach the pile.

Division VIII Use, Dispensing and Mixing

Loading and Unloading Facilities Sec. 79.807

10. Electrical equipment. (c) Fire Protection.

Change fire extinguisher requirements to 4-A:40-B:C

Division IX Service Stations

Dispensing Service Sec. 79.903 (b)

Exception: amends to read as follows:

Exception: 3. Dispensing equipment complies with the following:

- A. Dispensing devices shall be programmed or set to limit uninterrupted fuel delivery to 25 gallons and shall require a manual action to resume continued deliver and
- B. Product delivery hoses are equipped with a listed emergency breakaway device designed to retain liquid on both sides of the breakaway point. Such devices shall be installed and maintained in accordance with manufacturer's instructions.

Fire Protection Sec. 79.908

Fire Extinguisher shall be changed to 4-A, 40-B:C.

**Fire Protection Sec. 79.911
(e) Fire Extinguishers**

change fire extinguisher requirement to 4-A:40-B:C

**Division X Storage of Flammable and Combustible Liquids on Farms
and Construction Projects
Permanent Tanks of 61- to 1100-Gallon Capacity and Temporary
Tanks Not Exceeding 10,000-Gallon Capacity Sec. 79. 1007 (i) Extinguishers**

Change fire extinguisher requirement to 4-A:40-B:C

**Division XII Tank Vehicles for Flammable and Combustible Liquids
Fire Protection Sec. 79.1207**

Change fire extinguisher requirements to 4-A,40-B:C.

**Division XIV Bulk Plants or Terminals
Fire Protection Sec. 79.1410 1.**

Change fire extinguisher requirements to 4-A,40-B:C.

**Division XVIII Dry Cleaning with Flammable or Combustible Liquids
Occupancy Requirements Sec. 79.1806 insert after (d) 5:**

Exception: For existing dry cleaning operations (in operation January 1, 1986), the following
occupancy separation shall be allowed:

1. The public portion of the business shall be separated from the dry cleaning equipment area by a one-hour fire separation.
2. The boiler and any other open-flame device shall be separated from the dry cleaning equipment area by a two-hour fire separation.
3. Heating for the dry cleaning equipment area may be an open-flame device if the flame-producing unit is located outside the dry cleaning equipment area.
4. The minimum distance specified in Sec. 79.1806 (4) shall be 4 feet under this exception.
5. Items 1 through 4 (inclusive) may be waived through the installation of an automatic fire sprinkler system.
6. No exception is granted for ventilation equipment requirements or solvent storage specifications.

Exhibit "A"

NOTE TO EXCEPTION: The above Exception is granted on an individual business entity basis. This Exception will terminate upon any of the following events. Termination of the Exception means that the dry cleaning establishment must come into compliance with all provisions of Article 79, Division XVIII, not including this Exception.

1. Any increase in total square foot area occupied by the business.
2. Any change or addition in major equipment (boiler, dry cleaning equipment, heating units etc.).
3. Any increase in the inside storage of Class II solvents above 550 gallons.

**ARTICLE 80
HAZARDOUS MATERIALS**

Adopt 1988 U.F.C. in its entirety

**ARTICLE 81
HIGH-PILES COMBUSTIBLE STORAGE**

Adopt 1988 U.F. C. in its entirety.

**ARTICLE 82
LIQUEFIED PETROLEUM GASES**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 83
MATCHES**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 84
MOTION PICTURE PROJECTION**

Adopt 1988 U.F. C. in its entirety with the following changes:

Projection Room Sec. 84.102 (c)

Change fire extinguisher requirements to 2-A,10-B:C.

**ARTICLE 85
ELECTRICAL**

Adopt 1988 U.F.C. in its entirety.

**ARTICLE 86
PESTICIDES--STORAGE**

Adopt 1988 U.F.C. in its entirety.

Exhibit "A"

**ARTICLE 87
FIRE SAFETY DURING CONSTRUCTION,
ALTERATION OR DEMOLITION OF A BUILDING**

Adopt 1988 U.F.C. in its entirety.

APPENDIX

Adopt 1988 U.F.C. in entirety with the following changes:

DIVISION I REGULATIONS APPLICABLE TO EXISTING BUILDINGS

APPENDIX 1-A Delete in its entirety.

APPENDIX 1-B Delete in its entirety.

APPENDIX VI-C Delete in its entirety.

APPENDIX VI-D adopt 1988 U.F.C. in entirety with the following changes:

Table 5-A. Wall and Opening Protection of Occupancies Based on Location on Property.

Groups B-1 and B-2, Fire Resistance of Exterior walls.

Delete 20 feet and insert: 1 hour less than 10 feet.