Ordinance No. 2920

(Amending or Repealing Ordinances)

CFN=122 – Police & Fire Departments
  =205 – Uniform Building Codes
Passed – 4/17/1990
Relating to fire prevention; amending Ch. 13.02 KCC, to adopt the Uniform Fire Code, 1988 Edition, with certain amendments thereto

Amended by Ord. 3410
Repeal Ch. 13.02 by Ord. 3691
Amended by Ord. 3963,3974 (Sec. 9.38.030)
ORDINANCE NO. 2930

AN ORDINANCE of the City of Kent, Washington, relating to fire prevention; amending Chapter 13.02 Kent City Code (KCC) to adopt the Uniform Fire Code, 1988 edition, with certain amendments thereto.

THE CITY COUNCIL OF THE CITY OF KENT, WASHINGTON DOES HEREBY ORDAIN AS FOLLOWS:

Section 1. Chapter 13.02 Kent City Code is amended as follows:

CHAPTER 13.02

UNIFORM FIRE CODES ADOPTED

13.02.010 UNIFORM FIRE CODE--ADOPTED. There is adopted by reference upon the effective date of this ordinance and upon the filing with the City Clerk of one copy thereof, the Uniform Fire Code, (1985) 1988 Edition, promulgated by the International Conference of Building Officials and the Western Fire Chiefs Association, together with the appendices Appendix III-A thereto, and deletions, amendments and additions thereto as set forth in this Chapter.

13.02.020 UNIFORM FIRE CODE--ADDITION--SECTION 4.108. Article 4 of the Uniform Fire Code, (1985) 1988 Edition, is amended by adding a new section thereto, which shall be designated as Section (4-108) 4.109 and which shall read as follows:

Section 4.109. The fee for permits or certificates issued in accordance with this article shall be $35.00 per year, payable at or before the time of issuance of any such permit or renewal thereof. Whenever, under the provisions of this code, more than one permit or certificate is required for the same location, such permits or certificates may be consolidated into a single permit or certificate, with a single non-compounding $35.00 fee.

a) Permits or certificates shall be valid for a 12 month period and are renewable at the end of that time.

b) All schools and churches shall be exempt from the fee requirements of this ordinance, however, required permits or certificates shall be issued only after inspections are performed and compliance is obtained.
c) Failure to pay for either an original permit or certificate or the required renewal within 30 days of the notice date shall constitute a violation of this ordinance. Any person who shall fail to comply, within the time fixed herein, shall for each and every violation be guilty of a misdemeanor, punishable by a fine of not more than $500.00 or by imprisonment for not more than 90 days.

13.02.030  UNIFORM FIRE CODE--ADDI TION--SECTION 10.210
There is hereby added to the Uniform Fire Code, 19(85)88 Edition, a new section to be designated as Section 10.210 Fire Lanes, to read as follows:

Section 10.210  Fire Lanes.
(a) Definitions. The following definitions shall apply in the interpretation and enforcement of this Section:

1. Fire Lane: That area within any public right of way, easement, or private property designated provided, and maintained in accordance with this section for the purpose of permitting fire trucks apparatus and other fire fighting or emergency equipment to use, travel upon or park.

2. Park, Parking, Stop, Stand or Standing: Means the halting of any vehicle, other than an emergency vehicle, whether occupied or not, except when necessary to avoid conflict with other traffic or in compliance with the directions of a police officer or fire official, traffic control sign or signal.

3. Vehicle: A machine propelled by power other than human power designed to travel along the ground or rail by use of wheels, treads, runners or slides and transport persons or property, or pull machinery, and shall include, but not be limited to, automobile, truck, trailer, motorcycle, tractor, buggy, wagon and locomotive.

(b) Requirements/Standards. When required by the fire department, hard-surfaced-driving fire lanes (Fire Lanes) shall be provided and maintained around facilities which by their size, location, design, or contents warrant access which exceed that normally provided by the proximity of city streets. Such fire lanes shall conform to the following:

1. Lanes shall provide a minimum, unobstructed width of 20 feet and vertical clearance of 19 feet, 6 inches conform to the requirements in Section 10.207.

2r Lanes shall be identified by a 4-inch-wide line on the edging or curb and by block letters minimum 18" high and 3-1/2" stroke, painted in the lane at 50-foot intervals stating "Fire Lane-No Parking", color to be bright yellow by posting of signs stating "Fire Lane--No Parking"--Signs shall be posted on--
or immediately next to the curb line or on the building. Signs shall be 32" x 18" and shall have letters and background of contrasting colors, readily readable from at least a 50-foot distance. Signs shall be posted no further than 50 feet apart, nor shall they be more than 4 feet or less than 7 feet from the ground.

3. Fire lanes shall be either asphalt or reinforced concrete, 2 inches thick, minimum, or other materials as authorized by the fire department.

2. Vertical curbs shall be identified by a bright yellow 6-inch wide stripe on the top and side extending the length of the designated fire lane. Minimum 3-inch red lettering, which shall read "No Parking - Fire Lane", shall be placed every 30 feet or portion thereof on the top and sides of the curb.

3. Rolled curbs or lanes without curbs shall be identified by a bright yellow 6-inch wide stripe on the curb or pavement extending the length of the designated fire lane. Minimum 3-inch red lettering, which shall read "No Parking - Fire Lane", shall be placed every 30 feet or portion thereof on the top of the rolled curb or pavement.

4. Fire lane signs shall be installed per the following information: signs shall be metal, reflective in nature with red letters on a white background. Sign shall state "No Parking - Fire Lane". Signs shall be posted on or immediately next to the curb line or on the building. When posts are required, they shall be a minimum of 2-inch galvanized steel or 4" x 4" pressure treated wood. Signs shall be readily readable from at least a 50-foot distance. Signs shall be posted no further than 50 feet apart, nor shall they be more than 9 feet or less than 7 feet from the ground. Signs shall be placed so that they face the direction of vehicular travel.

45. Where fire lanes connect to city streets or parking lots, adequate clearances and turning radii shall be provided. All proposed plans shall have fire department approval.

(c) Parking Prohibited. Except when necessary to temporarily avoid conflict with other moving traffic or in compliance with the direction of a police officer, fire official, or traffic control sign, signal, or device, no person shall:

1. Stop, stand or park a vehicle, whether occupied or not at any place where official within any fire lane signs are posted, except:
A) Momentarily to pick up or discharge a passenger or passengers; or
B) Temporarily for the purpose of and while actually engaged in loading or unloading property.

Allow continued violations of this section on private property which they own or manage.

(d) Fire Lane as Part of Driveways and/or Parking Areas. The fire department may require that areas specified for use as driveways or private thoroughfares shall not be used for parking. These areas when specified, shall be marked or identified by one of the two means detailed in Section (b) 2.

(e) Existing Buildings. When the fire department determines that a hazard due to inaccessibility of fire apparatus exists around existing buildings, they may require fire lanes to be constructed and maintained as detailed in (b) and (d).

(f) Penalties. Any violation of the provisions of this Section Subsection (c) above shall be a traffic infraction punishable by a monetary penalty of not more than two hundred ($200) dollars. The recommended bail for such a violation shall be twenty (20) fifty (50) dollars plus state assessments and costs, when applicable.

(g) Impound of Illegally Parked Vehicles. In addition to the penalties provided for in Subsection (f), any vehicle improperly parked in violation of any of the provisions of this Section shall be subject to impound; provided, however, that other than in the event of immediate an emergency, no such vehicle shall be impounded unless the area where the improper parking occurs shall be adequately and suitably posted with signs advising that improperly parked vehicles are subject to impound.

(h) Property Owner Responsibility. Fire lane markings shall be maintained at the expense of the property owner(s) as often as needed to clearly identify the designated area as being a fire lane. The owner, manager, or person in charge of any property upon which designated fire lanes have been established, shall prevent the parking of vehicles or placement of other obstructions in such fire lanes.


Section 13.02.040 of the Kent City Code is hereby amended as follows:

13.02.040-UNIFORM-FIRE-CODE--ADDITION--SECTION-10.306-
Existing Sections 10.308-10.309-10.310-10.319 are hereby deleted and there is added to Article 10 a new section to be know as Section 10.300 "Automatic-Sprinkler-Systems" which shall read as follows:

Section 10.300

A. An Automatic Fire Extinguishing System shall be installed in the occupancies and locations as set forth in this section.
B. General

1. All occupancies—except Group R7, Division 3—and Group M7


3. All rooms—where-nitrate-film—is-stored—or handled.

4. In-protected-combustible-fiber-storage-vaults as-defined-in-this-code.

G. Group A—Occupancies

1. In-basements—larger-than-1,500-sq-ft—in-floor area.

2. When-the-occupancy—has—12,000-sq-ft—or-more of-floor-area—or-is-more-than—40-feet—in-height.


B. Group B—Occupancies

1. When—the-Occupancy—has—12,000-sq-ft—or-more of-floor-area—or—is-more-than—40-feet—in-height.


B. Group E—Occupancies

1. When—the-Occupancy—has—over—12,000-sq-ft—of floor-area—or—is-more-than—40-feet—in-height.

2. In-basements—larger-than—1,500-sq-ft—of—floor area.

3. In-any-enclosed—usable-space—below—or—above—any
F.---Group-H-Occupancies

1.----In-Group-H7-Division-I-and-II-Occupancies-longer-than-1,750-sq.-ft.--in-floor-area-

2.----In-Group-H7-Division-3-Occupancies-longer-than-3,700-sq.-ft--in-floor-area--

3.----In-Group-H7-Division-4-Occupancies-more-than-40-feet-in-height-or-larger-than-12,700-sq.-ft.--in-area-

4.----In-rooms-where-flammable-or-combustible-liquids are-stored-or-handled-in-excess-of-30-gallons-of-Class-I-A,-60 gallons-of-Class-I-B,-90-gallons-of-Class-I-C,-120-gallons-of Class-IIF,-250-gallons-of-Class-II,-A,-or-any-combination-of flammable-liquids-totaling-240-gallons-

5.----For-paint-spray-booths-or-rooms-and-for-special provisions-on-hazardous-chemicals-and-magnesium-and-calcium carbide—see-Section-45.2807-Articles-48.77-and-80—See-also Section-10.3617

G.---Group-I-Occupancies

EXCEPTIONS---(1).---In-hospitals-of-types-1,-II Fire-resistive-and-1,-one-hour-construction,-the automatic-sprinkler-system-may-be-omitted-from operating-delivery-cardiac-X-ray-and-intensive-care-rooms-and-patient-sleeping-rooms-not-exceeding 450-sq.-ft.--in-area-when-each-such-room-is-provided with-smoke-detectors-connected-to-a-continuously attended-station-or-location-within-the-building. Increases-for-area-height-specified-in-Section- 506(c)---507---shall-not-apply-when-this-exception is-used-

(2).---In-jails,-prisons,-and-reformatories---the piping-system-may-be-dry-provided-a-manually operated-valve-is-installed-at-a-continuously monitored-location---Opening-of-the-valve-will-cause the-piping-to-be-charged---Sprinkler-heads-in-such-a system-shall-be-equipped-with-fusible-elements-or the-system-shall-be-designed-as-required-for-deluge systems-in-U.A.C.-Standard-#38-14

H.---Group-R-1-Occupancies

1.----When-the-occupancy-has-over-12,000-sq.-ft.-of floor-area-or-more-than-40-feet-in-height---

2.----Alarms.-When-serving-more-than-100-sprinklers, automatic-sprinkler-systems-shall-be-supervised-by-an-approved central---proprietary-or-remote-station-service---

3.----Permissible-Emission.-Subject-to-the-approval-of the-Chief-with-the-concurrence-of-the-Building-Official, sprinklers-may-be-omitted-in-rooms-or-areas-as-follows-

3.----Where-sprinklers-are-considered-undesirable because-of-the-nature-of-the-contents-or-in-rooms-or-areas-which
are-of-non-combustible-construction-which-are-wholly-of
non-combustible-contents-and-which-are-not-exposed-by-other
areas.--Sprinklers-shall-not-be-installed-for-any-room-merely
because-it-is-damp-or-of-fire-resistive-construction.

2.--Sprinklers-shall-not-be-installed-where-the
application-of-water-or-flame-and-water-to-the-contents-constitute
a-serious-fire-or-life-hazard,--as-in-the-manufacture-or-storage-of
quantities-of-aluminum-powder,--calcium-carbide,--calcium-phosphide,
metallic-sodium-and-potassium--quicklime,--magnesium-powder,--and
sodium-peroxide.

3.--Safe-deposit-or-other-vaults-of-fire-resistive
construction,-when-used-for-the-storage-of-records,-files-and
other-documents,-when-stored-in-metal-cabinets.

4.--Communication-equipment-areas-under-the
exclusive-control-of-a-public-communication-utility-agency,
provided--

a)----The-equipment-areas-are-separated-from-the
remainder-of-the-building-by-one-hour-fire-resistive-occupancy
separation;

b)----Such-areas-are-used-exclusively-for-such
equipment;

c)----An-approved-automatic-smoke-detection
system-is-installed-in-such-areas-and-is-supervised-by-an-approved
central,-proprietary-or-remote-station-service,-or-a-local-alarm
which-will-give-an-audible-signal-at-a-constantly-attended
location;

d)----Other-approved-fire-protection-equipment
such-as-portable-fire-extinguishers-or-class-ff-standpipes-are-
installed-in-such-cases.

5.--Other-approved-automatic-fire-extinguishing
systems-may-be-installed-to-protect-special-hazards-or-occupancies
in-lieu-of-automatic-sprinklers.

6.--When-approved-by-the-Chief,-automatic-sprinkler
systems-may-be-omitted-from-buildings-of-types-I-or-II-construc-
tion-provided-that-the-contents-are-wholly-non-combustible.

7.--Area-and-Height-Increases.--Sprinkler-systems
installed-to-meet-the-requirements-of-this-Section-shall-qualify
the-protected-building-for-appropriate-area-increases,-height
increases-and-fire-resistive-substitutions-as-set-forth-in
Sections-506(c),-507,-and-508-of-the-Uniform-Building-Code.
Applications-of-this-Section-shall-be-as-set-forth-in-section-104
of-the-Uniform-Building-Code.

K.--For-the-purposes-of-calculating-the-square-footage
of-a-building-or-occupancy,-the-following-definition-shall-apply:

Floor-Area--is-the-area-included-within-the
surrounding-exterior-walls-of-a-building-or-portion-thereof.--The
floor-area-of-a-building-or-portion-thereof,-not-provided-with
surrounding-exterior-walls-shall-be-the-usable-area-under-the
horizontal-projection-of-the-roof-or-floor-above

Section 10.306 of Article 10 of the Uniform Fire Code is
adopted by reference with the following amendments thereto:

Section 10.306
(a) Where Required. An automatic fire-extinguishing
system shall be installed in the occupancies and locations as set
forth in this section.

1. "When additions, alterations or repairs cause a
building to come within the requirements of this Article, the
building shall comply with those Sections: PROVIDED, however, that
when a church building is increased in size, the sanctuary, and
only the sanctuary, may be exempt from the provisions of this
Section if:

A. A heat and smoke detector system is
installed with a 24 hour supervised central, proprietary or remote
station. The system and supervising station agency shall be
approved by the chief, and

B. The sanctuary for purposes of this section
shall mean only that portion of the church used for worship
services, and shall not include multipurpose rooms or facilities,
or rooms or facilities accessory to the sanctuary.

Prior to approval by the fire department, all
automatic sprinkler systems designed with 50 or more heads,
excluding those designed for single and multifamily dwellings,
shall be submitted to and reviewed by an approved agency for
compliance with the current adopted fire codes. Approved agencies include, but are not limited to, Washington Survey and Rating Bureau, Factory Mutual, Industrial Risk Insurers, or other such agencies as approved by the chief."

For special provisions on hazardous chemicals and magnesium, and calcium carbide, see Section 10.301 and 45.209 and Articles 48, 49 and 80.

2. "Notwithstanding any other requirements of this section, this code, or any other code or ordinance to the contrary, any building containing more than 12,000 square feet of floor area shall be equipped with an approved automatic sprinkler system. Area separation walls, as noted in Section 505(e) of the Uniform Building Code, shall not be considered to separate a building to enable deletion of the required sprinkler system."

(b) All Occupancies Except Group R, Division 3 and Group M. Except for Group R, Division 3 and Group M Occupancies, an automatic sprinkler system shall be installed:

1. In every story or basement of all buildings when the floor area exceeds 1500 square feet and there is not provided at least 20 square feet of opening entirely above the adjoining ground level in each 50 lineal feet or fraction thereof of exterior wall in the story or basement on at least one side of the building. Openings shall have a minimum dimension of not less than 30 inches. Such openings shall be accessible to the fire department from the exterior and shall not be obstructed in a manner that fire fighting or rescue cannot be accomplished from the exterior.

When openings in a story are provided on only one side and the opposite wall of such story is more than 75 feet from such openings, the story shall be provided with an approved automatic sprinkler system, or openings as specified above shall be provided on at least two sides of an exterior wall of the story.

If any portion of a basement is located more than 75 feet from openings required in this section, the basement shall be provided with an approved automatic sprinkler system.

2. At the top of rubbish and linen chutes and in their terminal rooms. Chutes extending through three or more floors shall have additional sprinkler heads installed within such chutes at alternate floors. Sprinkler heads shall be accessible for servicing.

3. In rooms where nitrate film is stored or handled.

4. In protected combustible fiber storage vaults as defined in this code.

(c) Group A. Occupancies.

1. Drinking establishments. An automatic sprinkler system shall be installed in rooms used by the occupants for the consumption of alcoholic beverages and unseparated accessory uses where the total area of such unseparated rooms and
assembly uses exceeds 5000 square feet. For uses to be considered as separated, the separation shall be not less than as required for a one-hour occupancy separation. The area of other uses shall be included unless separated by at least a one hour occupancy separation.

2. **Basements.** An automatic sprinkler system shall be installed in basements classified as a Group A Occupancy when the basement is larger than 1500 square feet in floor area.

3. **Exhibition and display rooms.** An automatic sprinkler system shall be installed in Group A Occupancies which have more than 12,000 square feet of floor area which can be used for exhibition or display purposes.

4. **Stairs.** An automatic sprinkler system shall be installed in enclosed usable space below or over a stairway in Group A, Divisions 2, 2.1, 3 and 4 Occupancies.

5. **Other areas.** An automatic sprinkler system shall be installed under the roof and gridiron, in the tie and fly galleries and in all places behind the proscenium wall of stages; over and within permanent platforms in excess of 500 square feet in area; and in dressing rooms, workshops and storerooms accessory to such stages or permanent platforms.

**EXCEPTIONS:**

1. Stages or platforms open to the auditorium room on three or more sides.
2. Altars, pulpits or similar platforms and their accessory rooms.
3. Stage gridirons when side-wall sprinklers with 135°F. rated head with heat-baffle plates are installed around the entire perimeter of the stage except for the proscenium openings at points not more than 30 inches below the gridiron nor more than 6 inches below the baffle plate.
4. Under stage or under platform areas less than 4 feet in clear height used exclusively for chair or table storage and lined on the inside with materials approved for one-hour fire-resistive construction.

(d) **Group B, Division 2 Occupancies.** An automatic sprinkler system shall be installed in retail sales rooms classed as Group B, Division 2 Occupancies where the floor area exceeds 12,000 square feet on any floor or 24,000 square feet on all floors or in Group B, Division 2 retail sales occupancies more than three stories in height. The area of mezzanines shall be included in determining the areas where sprinklers are required.

(e) **Group E Occupancies.**

1. **Basements.** An automatic sprinkler system shall be installed in basements classified as a Group E Occupancy when the basement is larger than 1500 square feet in floor area.
2. Stairs. An automatic sprinkler system shall be installed in enclosed usable space below or over a stairway in Group E Occupancies.

(f) Group H. Occupancies.

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

2. Division 4. An automatic fire-extinguishing system shall be installed in Group H, Division 4 Occupancies having a floor area of more than 3000 square feet.

3. Division 6. An automatic fire-extinguishing system shall be installed throughout buildings containing Group H, Division 6 Occupancies. The design of the sprinkler system shall be not less than that required under U.B.C. Standard No. 38-1 for the occupancy hazard classification as follows:

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>OCCUPANCY HAZARD CLASSIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fabrication areas</td>
<td>Ordinary Hazard Group 3</td>
</tr>
<tr>
<td>Service corridors</td>
<td>Ordinary Hazard Group 3</td>
</tr>
<tr>
<td>Storage rooms without dispensing</td>
<td>Ordinary Hazard Group 3</td>
</tr>
<tr>
<td>Storage rooms with dispensing</td>
<td>Extra Hazard Group 2</td>
</tr>
<tr>
<td>Exit corridors</td>
<td>Ordinary Hazard Group 31</td>
</tr>
</tbody>
</table>

1When the design area of the sprinkler system consists of a corridor protected by one row of sprinklers, the maximum number of sprinklers that need be calculated is 13.

(g) Group I Occupancies. An automatic sprinkler system shall be installed in Group I Occupancies.

EXCEPTIONS:

In jails, prisons and reformatories, the piping system may be dry, provided a manually operated valve is installed at a continuously monitored location. Opening of the valve will cause the piping system to be charged. Sprinkler heads in such system shall be equipped with fusible elements or the system shall be designed as required for deluge systems in U.B.C. Standard No. 38-1.

(h) Group R, Division 1 Occupancies. An automatic sprinkler system shall be installed throughout every apartment house three or more stories in height or containing more than 15 dwelling units, and every hotel three or more stories in height or containing 20 or more guest rooms. Residential or quick-response standard sprinkler heads shall be used in the dwelling unit and guest room portions of the building.

Section 2. 13.02.080 of the Kent City Code is amended to delete the following:

13-02-080--NATIONAL-FIRE-CODE--ADOPTED.--There-is adopted-by-reference-upon-the-effective-date-of-the-ordinance
Section 3. Effective Date. This ordinance shall take effect and be in force thirty (30) days from the date of its final passage as provided by law.

DAN KELLEHER, MAYOR

ATTEST:

MARIE JENSEN, CITY CLERK

APPROVED AS TO FORM:

SANDRA DRISCOLL, CITY ATTORNEY

PASSED the 17 day of ____, 1990.

APPROVED the 18 day of ____, 1990.

PUBLISHED the 20 day of ____, 1990.

I hereby certify that this is a true copy of Ordinance No. 2927, passed by the City Council of the City of Kent, Washington, and approved by the Mayor of the City of Kent as hereon indicated.

MARIE JENSEN, CITY CLERK (SEAL)

7650-270