

August 31, 1989  
0207H/BL/EHP/rr:hlm

INTRODUCED BY: Bruce Laing

PROPOSED NO.: 89 - 302

ORDINANCE NO. **9151**

AN ORDINANCE adopting the 1988 Uniform Plumbing Code; amending Ordinance 6746 as last amended by Ordinance 8330 and K.C.C. 16.32.1632; amending K.C.C. 16.32.030, 16.32.400, 16.32.410, and 16.32.420, and repealing K.C.C. 16.32.430, and 16.32.440.

BE IT ORDAINED BY THE COUNCIL OF KING COUNTY:

SECTION 1. Ordinance No. 6746, Section 5, as amended by Ordinance No. 8008, and K.C.C. 16.32.030 are hereby amended as follows:

Adoption of the Uniform Plumbing Code. The Uniform Plumbing Code, Chapters 1 through 10, with Appendices "A" through "D", ((1985)) 1988 Edition, IAPMO Installation Standards, ((1985)) 1988 Edition, ((3-75;-21-80;-2-82;-4-82;-6-82;-15-82;-17-82;-18-82;-5-83;-7-83;-9-83;-8-84;-10-84;-20-84;-22-84;-23-84) 2-82, 3-87, 4-82, 5-87, 6-82, 7-83, 8-86, 9-87, 10-86, 12-85, 13-84, 17-82, 18-85, 20-85, 21-80, 22-84, 23-84, 24-85, 25-85, and Chapter 22 of the ((1985)) 1988 Uniform Plumbing Code all published by the International Association of Plumbing and Mechanical Officials, are hereby adopted and together with the provisions of this chapter shall constitute the official Plumbing Code of King County. This chapter shall have precedence over documents adopted by reference.

SECTION 2. Ordinance 6746, Section 42 and K.C.C. 16.32.400 are amended as follows:

Section 1004. Subsection (a) of Section 1004, Materials, of the Uniform Plumbing Code is amended to read as follows:

(a) Water pipe and fittings shall be brass, copper, cast iron, ((galvanized-malleable-iron;)) galvanized wrought iron, ((; galvanized-steel;)) or other approved materials. PB, PE, or PVC water pipe manufactured to recognized standards and CPVC water pipe and tubing may be used for cold water distribution systems

1 outside a building. PB water pipe and tubing and CPVC water pipe  
 2 and tubing may be used for hot and cold water distribution  
 3 systems within a building. All materials used in the water  
 4 supply system, except valves and similar devices shall be of like  
 5 materials, except where otherwise approved by the administrative  
 6 authority.

7 SECTION 3. Ordinance 6746, Section 43 and K.C.C. 16.32.410  
 8 are amended as follows:

9 Section 1007. Subsections (a) and (c) of Section  
 10 1007, Water Pressure, Pressure Regulators and Pressure Relief  
 11 Valves, of the Uniform Plumbing Code are amended to read as  
 12 follows:

13 (a) Inadequate Water Pressure. Whenever the water pressure  
 14 in the main or other source of supply will not provide water  
 15 pressure of at least twenty pounds per square inch (20 psi),  
 16 after allowing for friction and other pressure losses, a tank and  
 17 pump or other means which will provide twenty (20) pounds  
 18 pressure shall be installed.

19 ~~((b) Excessive Water Pressure.--Where local water pressure  
 20 is in excess of one hundred pounds per square inch (100 psi), an  
 21 approved type pressure regulator shall be installed and the  
 22 pressure regulator reduced to one hundred pounds per square inch  
 23 (100 psi) or less.--For potable water services using regulators,  
 24 provision shall be made to prevent pressure on the building side  
 25 of the regulator from exceeding main supply pressure.--Approved  
 26 regulators with integral by-passes are acceptable.--Each such  
 27 regulator shall be accessibly located.--All pipe size  
 28 determinations shall be based on eighty percent (80%) of the  
 29 reduced pressure.))~~

30 NEW SECTION. SECTION 4. Ordinance 6746, Section 44 and  
 31 K.C.C. 16.32.420 are each hereby repealed, and the following is  
 32 substituted:  
 33

APPENDIX C. Appendix C of the Uniform Plumbing Code is replaced by the following:

APPENDIX C  
MINIMUM PLUMBING FACILITIES<sup>1</sup>

Type of Building or Occupancy <sup>2</sup>	As Required by State Law				Bathrooms or Showers Fixtures/Person	Drinking Fountains <sup>3</sup> Persons
	Water Closets Males	Water Closets Females	Urinals <sup>8</sup> Fixtures/Males	Lavatories <sup>10</sup> Males		
Schools						
Theaters, Auditoriums, other places of public assembly	1:1-100 2:101-200 3:201-400 Over 400 add 1 fixture for each additional 500 males and 2 for each 300 females.	3:1-100 6:101-200 8:201-400	1:1-100 2:101-200 3:201-400 4:401-600 Over 600 add 1 fixture for each 300 males	1:1-200 2:201-400 3:401-750 Over 750, add 1 fixture for each additional 500 persons	1:1-200 2:201-400 3:401-750	1:1-100 2:101-500 1 for each additional 1000
Food service <sup>11</sup> establishments, taverns, cocktail bars, restaurants <sup>9</sup>	1:1-60 1 for each additional 60	1:1-30 1 for each additional 30	1:1-30 2:31-90 1 for each additional 60	1:60	1:60	---
Office buildings, stores, and similar establishments <sup>9</sup>	1:1-15 2:16 - 35 3:36 - 55 5:81 -100 6:101-150 1 for each additional 50		***	1:1- 15 2:16- 55 3:56-100		1 per floor
Manufacturing, warehouses, workshops, loft buildings, foundries and similar establishments <sup>5,9</sup>	1:1-9 2:10-24 3:25-49 4:50-74 5:75-100 1 for each additional 30			Up to 100 1 per 10 Over 100 1 per 156.7		1 shower for each 15 persons exposed to excessive heat or to skin contamination with poisonous, infectious or irritating materials
Dwelling or apartment houses <sup>4</sup>	1 for each dwelling unit		---	1 for each dwelling unit		1 for each dwelling unit

1 \*\*\* For each urinal installed, the number of water closets  
2 specified may be reduced by one, except the number of water  
3 closets in such cases shall not be reduced to less than  
4 two-thirds (2/3) of the minimum specified.

- 5 1. The figures shown are based upon one (1) fixture being the  
6 minimum required for the number of persons indicated or any  
7 fraction thereof. Conformity purely on a numerical basis may  
8 not result in an installation suited to the need of the  
9 individual establishment. For example, schools should be  
10 provided with toilet facilities on each floor having  
11 classrooms. The Director of Public Health may approve  
12 variances from this schedule when its literal application is  
13 impracticable.

14 In applying the schedule of facilities set forth in  
15 Appendix C, consideration shall be given to the accessibility  
16 of the fixtures. Regulations promulgated under Section 504  
17 of the United States Rehabilitation Act of 1973 and State of  
18 Washington standards designed for making occupancies and  
19 facilities accessible to the handicapped, and rules and  
20 regulations of the Washington State Building Code Advisory  
21 Council may affect certain plumbing fixtures and facilities.  
22 Check with the King County building and land development  
23 division for further information regarding these regulations  
24 and their applicability.

- 25 2. Minimum plumbing facilities for buildings or occupancies not  
26 shown in this table shall be required by the Director of  
27 Public Health.
- 28 3. Drinking fountains shall not be installed in toilet rooms or  
29 on janitor services sinks.
- 30 4. Kitchen sinks--one (1) for each dwelling unit.
- 31 5. As required by the American Standard Safety Code for  
32 Industrial Sanitation in Manufacturing establishments (ANSI  
33 Z4.1---1968).
- 34 6. Where there is exposure to skin contamination with poisonous,  
35 infectious, or irritating materials, provide one (1) lavatory  
36 for each five (5) persons.
- 37 7. Twenty-four (24) linear inches of wash sink or eighteen (18)  
38 inches of a circular basin, when provided with water outlets  
39 for such space, shall be considered equivalent to one (1)  
40 lavatory.
- 41 8. a. Trough urinals: floor and wall type trough urinals are  
42 prohibited.
- 43 b. Surrounding materials: Wall and floor surfaces located  
44 within one (1) foot from the front of the urinal lip, at  
45 least four (4) feet above the floor, and at least one (1)  
46 foot on each side of the urinal shall be constructed of  
47 non-absorbent material.
- 48 9. a. Toilet facilities shall be provided in separate rooms for  
49 each sex wherever more than four (4) people are employed  
50 and such employees are not of the same sex.

b. Handwashing basins convenient to employees' work areas and supplied with hot and cold water and an approved water mixing faucet shall be provided in commercial food handling establishments for the use of employees.

c. Utility sinks adequate for mopping and other similar cleaning operations shall be provided in food markets, taverns and restaurants. Such sinks shall be fitted with traps of no less than one and one-half (1 1/2) inches diameter, and shall be constructed of cast iron enamel or an equivalent substance with a finish or a smooth nonporous material.

10. Each hand washing fixture in any place where a hand washing facility is required shall have hot and cold water with an approved mixing valve.

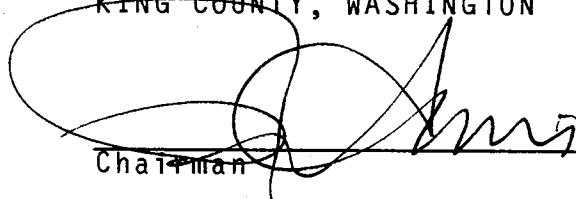
11. Includes only those food service establishments serving food or drink for consumption on the premises.

SECTION 6. Ordinance 6746, Sections 45 through 47, and K.C.C. 16.32.430 through 16.32.450 are each repealed.

INTRODUCED AND READ for the first time this 8<sup>th</sup> day of May, 1989.

PASSED this 25<sup>th</sup> day of September, 1989.

KING COUNTY COUNCIL  
KING COUNTY, WASHINGTON

  
Chairman

ATTEST:



Clerk of the Council

APPROVED this 5<sup>th</sup> day of October, 1989.



King County Executive