

ORDINANCE No. 114713

COUNCIL BILL No. 107445

AN ORDINANCE relating to the Plumbing Code of The City of Seattle; adopting the Seattle Amendments to the 1988 Uniform Plumbing Code, and repealing Ordinance 113356.

*Law Department*

The City

Honorable President:

Your Committee on Public Safety

to which was referred the within report that we have considered the

COMPTROLLER FILE No. \_\_\_\_\_

Introduced: JUL 24 1989	By: <u>Noland</u>
Referred: JUL 24 1989	To: <u>Public Safety</u>
Referred:	To:
Referred:	To:
Reported: SEP 14 1989	Second Reading: SEP 14 1989
Third Reading: SEP 18 1989	Signed: SEP 15 1989
Presented to Mayor: SEP 19 1989	Approved: SEP 23 1989
Returned to City Clerk: SEP 25 1989	Published:
Vetoed by Mayor:	Veto Published:
Passed over Veto:	Veto Sustained: <u>OK</u>

*handwritten*

# The City of Seattle--Legislative Department

## REPORT OF COMMITTEE

Date Reported  
and Adopted

*9-12-89*

President:

Committee on

*Public Safety*

was referred the within Council Bill No.

*107445*

that we have considered the same and respectfully recommend that the same:

*Do Pass*

*2-0*

*Vote 6-0*

*Jane Maud*

Committee Chair

GFC:pdk  
4/4/89  
7:ORD3

ORDINANCE 114713

AN ORDINANCE relating to the Plumbing Code of The City of Seattle; adopting the Seattle Amendments to the 1988 Uniform Plumbing Code, and repealing Ordinance 113356.

BE IT ORDAINED BY THE CITY OF SEATTLE AS FOLLOWS:

Section 1. That the following sections of the 1988 Uniform Plumbing Code adopted by Ordinance 114712 are amended to read as follows. These amendments shall be known as the "Seattle Amendments to the 1988 Uniform Plumbing Code", and may be cited as such.

Section 10.4. Existing Installations. (a) Any plumbing system lawfully installed prior to the effective date of this Code may have its existing use continued and may be maintained or repaired if such use, maintenance or repair is in accordance with the original design and location and does not constitute a hazard to the public health, safety or welfare.

(b) The owner or his designated agent shall be responsible for the maintenance of any such existing plumbing system in a safe and sanitary condition.

Section 10.5. Authority to Abate. (a) Any portion of a plumbing system found by the Administrative Authority to be unsanitary as defined in this Code is hereby declared to be a nuisance.

(b) Where a nuisance exists or a plumbing system is maintained in violation of this Code or any notice issued pursuant to this section, the Administrative Authority shall require such nuisance or violation to be abated and shall take such steps as may be necessary to abate the same in the manner provided by law.

1 (c) If at any time the Administrative Authority shall  
2 find that any plumbing system is not in compliance with this  
3 Code, or is otherwise unlawful, or dangerous or unsanitary, or  
4 a menace to life, health or property, he is authorized to give  
5 notice of the corrections to the required owner or occupant of  
6 the premises wherein such system is located. Such notice may  
7 be given by personal service, or by mail, or by posting on the  
8 premises.

9 Section 20.1. Administrative Authority. The Director of  
10 Public Health or his authorized representative is hereby  
11 designated as the Administrative Authority who shall administer  
12 and enforce the provisions of this Code; provided, that the  
13 Superintendent of Water or his authorized representative shall  
14 be the Administrative Authority for the administration and  
15 enforcement of provisions relating to the inspection and  
16 approval of water meters and building supply piping; and pro-  
17 vided further that the Director of Public Health and the  
18 Superintendent of Water shall exercise joint responsibility as  
19 Administrative Authority for administration and enforcement of  
20 provisions relating to installation and approval of backflow  
21 prevention devices installed in the building supply and water  
22 distributing piping in a building where cross connections  
23 exist or are likely to occur.

24 The Administrative Authority may adopt such rules and  
25 regulations consistent with this Code as shall be deemed  
26 necessary for its enforcement.

27 Section 20.2. Right of Entry. Upon presentation of  
28 proper credentials, the Administrative Authority may, with the

1 consent of the occupant or with the consent of the owner of an  
2 unoccupied building or pursuant to a lawfully issued warrant,  
3 enter at reasonable times, any building or premises to perform  
4 any duty imposed upon him by this Code.

5 Section 20.4. Permit Requirements.

6 (a) Except as provided in Section 20.5, it is unlawful  
7 for any person to perform any work on any plumbing system  
8 without having obtained a permit in accordance with this Code.

9 (b) A separate permit shall be obtained for each building  
10 or structure and such permit shall be posted on the building  
11 or structure wherein the work under such permit is being per-  
12 formed, and shall not be removed until the work has been  
13 finally approved by the Administrative Authority.

14 (c) No person to whom a permit has been issued shall  
15 allow any other person to do or cause to be done any work  
16 under such permit except persons in the employ of such permit-  
17 tee.

18 (d) The issuance or granting of a permit or approval of  
19 plans and specifications shall not be deemed or construed to  
20 be a permit for, or an approval of, any violation of any of  
21 the provisions of this code, and no permit purporting to give  
22 authority to violate or cancel the provisions of this code  
23 shall be valid except insofar as the work or use authorized is  
24 in compliance with this Code.

25 (e) The issuance or granting of a permit or approval of  
26 plans and specifications shall not prevent the Administrative  
27 Authority from thereafter requiring the correction of errors  
28 in said plans and specifications or from preventing work being

1 carried on under any such permit when in violation of this  
2 Code or of any other ordinance or from revoking any certifi-  
3 cate of approval issued in error.

4 (f) Every plumbing permit shall be posted on the  
5 building, structure, or premises where the work permitted is  
6 being performed and shall not be removed until the work has  
7 been finally approved by the Administrative Authority.

8 (g) Every permit issued by the Administrative Authority  
9 under the provisions of this Code shall expire by limitation  
10 and become null and void one year from date of issue. Permits  
11 expired for not more than one year may be renewed for one-half  
12 the original cost or \$50.00, whichever is less. Permits  
13 expired for more than one year will require the regular sche-  
14 duled fees.

15 Section 20.5. Work Not Requiring a Permit. A permit is  
16 not required for the repair or replacement of a plumbing fix-  
17 ture; the repair or replacement of a valve or faucet in a  
18 water supply system; the clearance of stoppages in drainage  
19 piping; the stopping of leaks; or the repair or replacement of  
20 domestic hot water tanks.

21 Section 20.6. Application for Permit. Applications for  
22 permits shall be made on forms provided by the Administrative  
23 Authority for such purpose and shall give a description of the  
24 work proposed to be done, the names of the contractor and per-  
25 mit applicant, and the location ownership, occupancy and use  
26 of the premises upon which such work is to be done. The  
27 Administrative Authority may require to be furnished plans,  
28

1 specifications or drawings and may require such other infor-  
2 mation as he shall deem necessary for the administration and  
3 enforcement of this Code.

4 If the Administrative Authority determines that the plans,  
5 specifications, drawings, descriptions, and other information  
6 furnished by the applicant are in compliance with this Code  
7 and that the applicant is licensed to perform the work to be  
8 permitted, he shall issue the permit applied for upon payment  
9 of the prescribed fee.

10 (a) Owner's Permit. Nothing contained in this Code shall  
11 prohibit any bona fide owner from installing plumbing or making  
12 alterations or repairs in his own residence or accessory  
13 building as permitted under the following terms and  
14 conditions:

15 (1) Such owner shall apply in person, secure a per-  
16 mit, and pay the required fee as set forth in the Schedule  
17 of Fees in this Code.

18 (2) Such owner shall do the work in the manner  
19 required by this Code subject to inspection and approval  
20 by the Administrative Authority.

21 It is unlawful for any person having an owner's permit to  
22 allow any other person, including a licensed plumber, to do  
23 any work under such owner's permit.

24 (b) Existing Permits. Any work authorized by a permit in  
25 effect on the effective date of this code shall be performed  
26 pursuant to the laws and ordinances under which such permit  
27 was issued, and any conflicting requirement of this Code shall  
28 not apply to such work.

1           Section 20.8. Inspection of Work.

2           (a) All plumbing and drainage systems shall be inspected  
3 by the Administrative Authority for compliance with the  
4 requirements of this Code.

5           (b) It shall be the duty of the person doing the work  
6 authorized by a permit to notify the Administrative Authority  
7 that the work is ready for inspection. Such notification may  
8 be given either orally or in writing and shall be given not  
9 less than twenty-four (24) hours before the work is to be  
10 inspected. Before such notification is given it shall be the  
11 duty of the person doing the work to make sure that work to be  
inspected will stand the test or tests prescribed in this Code.

12           (c) Fees for Reinspection Service. A reinspection fee of  
13 \$40.00 may be assessed for each inspection or reinspection  
14 when such portion of work which inspection is called for is not  
15 complete or when corrections called for are not made. This  
16 subsection is not be interpreted as requiring inspection fees  
17 the first time a job is rejected for failure to comply with  
18 the requirements of this Code, but as controlling the practice  
19 of calling for inspection before the job is ready for inspec-  
tion or reinspection.

20           Reinspection fees may be assessed when the permit is not  
21 properly posted on the work site, the work to be inspected is  
22 not under test, for failure to provide access on the date for  
23 which inspection is requested, or for failure to make required  
24 corrections. To obtain a reinspection the applicant shall  
25 file an application therefore in writing upon a form furnished  
26 for that purpose, and pay the reinspection fee in accordance  
27  
28

1 with this Section. In instances where reinspection fees have  
2 been assessed, no additional inspection of the work will be  
3 performed until the required fees have been paid.

4 Section 20.10. Whenever any work is being done contrary  
5 to the provisions of this Code, the Administrative Authority  
6 may order the work stopped by giving notice in writing to the  
7 person or persons doing or causing such work to be done, and  
8 any such person or persons shall forthwith stop such work  
9 until authorized by the Administrative Authority to proceed  
10 therewith.

11 Section 20.11. Suspension or Revocation of Permits

12 (a) In addition to other penalties provided by law, any  
13 permit issued under this Code may be suspended or revoked  
14 where the same was issued in error or on the basis of  
15 incorrect information supplied by the applicant, or for the  
16 violation of any of the provisions of this code or other ordi-  
17 nances or any rules and regulations adopted by the  
18 Administrative Authority.

19 (b) Actions to suspend or revoke any permit shall be com-  
20 menced by mailing by certified mail to the permittee at the  
21 address shown on the permit records of the Administrative  
22 Authority, a written notice setting forth in specific terms  
23 the basis for such suspension or revocation.

24 (c) The permittee shall, within ten (10) days after the  
25 mailing of such notice, file with the Administrative Authority  
26 his written answer which shall admit or deny the allegations  
27 of such notice and may set forth such defenses and/or addi-  
28

1 tional matter as said permittee shall deem appropriate. If  
2 the permittee desires a hearing in such action, he shall  
3 request the same in his answer.

4 (d) Upon failure of any such permittee to file an answer  
5 as herein provided, or in the event no hearing is requested,  
6 the Administrative Authority shall investigate and make fin-  
7 dings and if cause exists therefor may suspend or revoke such  
8 permit.

9 (e) If a hearing is requested by the permittee, the  
10 Administrative Authority shall forward such request together  
11 with the notice of suspension or revocation and the permit-  
12 tee's answer thereto to the Hearing Examiner who shall give  
13 notice and conduct such hearing and thereafter recommend to  
14 the Administrative Authority a proposed decision in accordance  
15 with the Administrative Code of The City of Seattle (Ordinance  
16 102228).

17 Section 20.12. Liability Claims. The Administrative  
18 Authority or any employee performing duties in connection with  
19 the enforcement of this Code and acting in good faith and  
20 without malice in the performance of such duties shall be  
21 relieved from any personal liability for any damage to persons  
22 or property as a result of any act or omission in the  
23 discharge of such duties, and in the event of claims and/or  
24 litigation arising from any such act or omission, the City  
25 Attorney shall, at the request of and on behalf of said  
26 Administrative Authority or employee, investigate and defend  
27 such claims and/or litigation and if the claim be deemed by  
28 the City Attorney a proper one or if judgment be rendered

1 against such Administrative Authority or employee, said claim  
2 or judgment shall be paid by the City.

3 Section 20.15. Plumbing Advisory Board.

4 (a) The Mayor is authorized to execute an Interlocal  
5 Agreement with King County to provide for the creation and  
6 operation of a joint City-County plumbing advisory board. The  
7 following persons shall be ex-officio members of the board:  
8 The Chief of Environmental Health, the manager, King County  
9 Building and Land Development Division, the City's Director of  
10 the Department of Construction and Land Use and the  
11 Superintendent of Water.

12 (b) The Interlocal Agreement shall establish a procedure  
13 for the Mayor and the King County Executive each to appoint an  
14 equal number of additional board members. Appointments by the  
15 Executive shall be subject to confirmation by a majority of  
16 the County Council. The eight appointed members shall be  
17 representative of one each of the following: journeyman plum-  
18 bers, plumbing contractors, building construction industry,  
19 architects, professional mechanical engineers, sanitary engi-  
20 neers, real estate management and the public. Upon naming the  
21 appointive members of the board, the County Executive and  
22 Mayor each designate one (1) member to a term ending  
23 December 31, 1990. The County Executive shall appoint two  
24 (2) and the Mayor one (1) member to a term ending December 31,  
25 1991, and the County Executive shall appoint one (1) member  
26 and the Mayor two (2) members to a term ending December 31,  
27 1992. Thereafter such members shall be appointed to a term  
28 of three (3) years ending December 31 of the third year of

1 said term.

2 (c) The Plumbing Code Advisory Board shall elect a chair-  
3 man who shall serve at the pleasure of the members. Such  
4 Board may adopt rules of procedure and shall meet on call,  
5 subject to timely notice.

6 (d) The Plumbing Code Advisory Board may examine rulings,  
7 or proposed rulings, of the Administrative Authority related  
8 to this Code, and may hold hearings and make recommendations  
9 to the Administrative Authority and to the Mayor and City  
10 Council and the County Executive and County Council, but it  
11 shall act in an advisory capacity only.

12 Section 20.16. Board of Appeals.

13 (a) A Board of Appeals shall be established and shall  
14 consist of the five (5) members of the Plumbing Advisory Board  
15 representing journeyman plumbers, plumbing contractors, pro-  
16 fessional mechanical engineers, sanitary engineers, and the  
17 public. The Administrative Authority shall serve as an ex-  
18 officio member of the Board. The Board of Appeals shall elect  
19 a chair and a secretary who shall serve at the pleasure of the  
20 Board.

21 (b) The Board of Appeals shall determine whether a cor-  
22 rect interpretation of the code has been made by the  
23 Administrative Authority in any case which results in an  
24 appeal. The party aggrieved by the action of the  
25 Administrative Authority shall file a written petition for  
26 appeal to the Board. Appeals shall be heard at reasonable  
27 times at the convenience of the Board, but not later than  
28

1 thirty (30) days after receipt of such petition. The appel-  
2 lant shall be entitled to appear in person before the Board,  
3 to be represented by an attorney, and to introduce evidence in  
4 support of such petition. The appellant shall cause to be  
5 made at his own expense any test or research required by the  
6 Board for the substantiation of any claim(s) made by the  
7 appellant.

8 (c) Decisions of the Board shall be in writing; shall be  
9 distributed to the Administrative Authority and the appellant;  
10 and shall apply only to the case being heard. The Board may  
11 make recommendations to the Administrative Authority for  
12 changes in the code where an appeal heard by the Board may  
13 indicate the need for a code change.

14 Section 102 of the Uniform Plumbing Code is amended by  
15 deleting definition "(c) Administrative Authority."

16 Section 103 of the Uniform Plumbing Code is amended by  
17 adding definition (o) Building Official to read as follows:

18 (o) Building Official - The building official is the  
19 Director of the Department of Construction and Land Use. As  
20 used in this code, the term includes authorized representa-  
21 tives of the Director of the Department of Construction and  
22 Land Use.

23 (p) Building Sewer - The building sewer is that part of  
24 the horizontal piping of a drainage system which extends from  
25 the end of the building drain and which receives the discharge  
26 of the building drain and conveys it to a public sewer, pri-  
27 vate sewer, individual sewage disposal system or other point  
28 of disposal.

1 (q) Building Supply - The building supply is the pipe  
2 carrying potable water from the water meter or other source of  
3 water supply to a building or other point of use or distribu-  
4 tion on the lot. Building supply shall also mean water  
5 service.

6 Section 105 of the Uniform Plumbing Code is amended by  
7 deleting definition "(a) Department Having Jurisdiction."

8 Section 105, of the Uniform Plumbing Code is amended by  
9 adding definition "(d-1) Domestic Water Heater" to read as  
10 follows:

11 (d-1) DOMESTIC WATER HEATER. A domestic water heater is  
12 a tank with a self-contained heating unit which stores potable  
13 hot water for residential or commercial use with a nominal  
14 water containing capacity of 120 gallons or less, having a  
15 heating input of 200,000 BTU's per hour or less used for hot  
16 water supply at pressure of 160 pounds per square inch or less  
17 and at operating temperatures of 200°F or less.

18 Section 105 of the Uniform Plumbing Code is amended by  
19 adding definition "(d-2) Double Check Valve Assembly -  
20 Approved" to read as follows:

21 (d-2) DOUBLE CHECK VALVE ASSEMBLY - APPROVED. A double  
22 check valve assembly is an approved unit consisting of two  
23 independently acting, internally-loaded and approved check  
24 valves. The Double Check Valve Assembly shall be installed as  
25 an approved unit in an approved assembly consisting of two  
26 approved control valves, and required test cocks.

27 Section 105 of the Uniform Plumbing Code, definition  
28 "(f) Drainage System", is amended to read as follows:

1 (f) DRAINAGE SYSTEM. All the piping within a building  
2 which conveys sewage or other liquid wastes to a building  
3 drain, together with such building drain.

4 Section 107 of the Uniform Plumbing code is amended by  
5 adding definition "(k) Finish Plumbing" to read as follows:

6 (k) FINISH PLUMBING means that part of the plumbing  
7 system installed after the rough-in plumbing has been  
8 completed. The finish plumbing would include but not be  
9 limited to: the trimming and setting of fixtures, the  
10 installing of "P" traps and the connecting of hot and cold  
11 water fixture supplies.

12 Section 113 of the Uniform Plumbing Code, definition  
13 "(d) Listing Agency", is amended to read as follows:

14 (d) LISTING AGENCY. Listing agency means an agency  
15 accepted by the Administrative Authority which is in the busi-  
16 ness of listing or labeling and which maintains a periodic  
17 inspection program on current production of listed models, and  
18 which makes available a published report of such listing in  
19 which specific information is included that the product has  
20 been tested to approved standards and found safe for use in a  
21 specified manner. Listing Agencies approved by the  
22 Administrative Authority are as follows:

23 International Association of Plumbing and Mechanical  
24 Officials (I.A.P.M.O.)  
25 Washington State Department of Social and Health Services  
26 National Sanitation Foundation (N.S.F.)  
27 City of Los Angeles Testing Laboratory  
28 American Gas Association  
Canadian Gas Association

1 Underwriter Laboratories

2 Listing Agencies or Testing Laboratories are not limited  
3 to the above named agencies.

4 Other testing or listing agencies may be added to the  
5 approved list as the Administrative Authority deems necessary.

6 Section 117 of the Uniform Plumbing Code, definition  
7 "(h) Plumbing System", is amended to read as follows:

8 (h) PLUMBING SYSTEM. The plumbing system means and  
9 includes all potable water supply and distribution pipes, all  
10 plumbing fixtures and traps, all drainage and vent pipe and  
11 all building drains, including their respective joints and  
12 connections, devices, receptacles and appurtenances within the  
13 property liens of the premises and shall include potable water  
14 piping, potable water treating or using equipment, lawn  
15 sprinkler systems and rainwater leaders.

16 Section 117 of the Uniform Plumbing Code is amended by  
17 adding definition "(h-1) Pressure Vacuum Breaker Assembly -  
18 Approved" to read as follows:

19 (h-1) PRESSURE VACUUM BREAKER ASSEMBLY - APPROVED. A  
20 pressure vacuum breaker consists of an approved check valve or  
21 valves, a vacuum relief device inlet and discharge control  
22 valves, and the necessary field testing cocks.

23 Section 119 of the Uniform Plumbing Code is amended by  
24 adding definition "(a-1) Reduced Pressure Principle Backflow  
25 Preventor - Approved" to read as follows:

26 (a-1) REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTOR -  
27 APPROVED. A reduced pressure principle backflow prevention  
28 device (R.P. Device) is an approved unit consisting of two

1 independently acting, internally-loaded and approved check  
2 valves separated by a pressure differential relief valve which  
3 causes a reduced pressure zone, between the two check valves.

4 The differential pressure relief valve shall maintain a  
5 reduced differential of not less than 2 P.S.I. between the  
6 supply pressure and the reduced pressure zone by discharging  
7 to atmosphere.

8 The R.P. Device shall be installed as an approved unit in  
9 an approved assembly consisting of two approved control  
10 valves, and a pressure relief valve.

11 Subsection (d) of Section 203, Use of Copper Tubing, of  
12 the Uniform Plumbing Code is amended to read as follows:

13 (d) Copper tube for water piping shall have a weight of  
14 not less than that of copper water tube Type L. Exception:  
15 Type M copper tubing may be used for water piping when piping  
16 is above ground in a building.

17 Section 308, Improper Location, of the Uniform Plumbing  
18 Code is amended by adding Subsection (b) and Subsection (c) to  
19 read as follows:

20 (a) General. Piping, fixtures or equipment shall not be  
21 so located as to interfere with the normal use thereof or with  
22 the normal operation and use of windows, doors or other  
23 required facilities.

24 (b) Stairwell Enclosure. Installation of piping in a  
25 stairwell enclosure is prohibited unless such piping is  
26 installed in accordance with standards established by the  
27 Building Code as approved by the Building Official.

28 (c) Elevators. Pipes or ducts conveying gases, vapors,

1 or liquids and not used in connection with the operation of  
2 the elevator shall not be installed or replaced in any hoist-  
3 way, elevator machine room or elevator machinery space.

4 Exceptions to Subsection (b) are as follows:

5 (1) Steam and hot water pipes may be installed in hoist-  
6 ways, machine rooms and machinery spaces for the purpose of  
7 heating these areas only, subject to the following:

8 (a) Heating pipes shall convey only low pressure  
9 steam (fifteen pounds per square inch (15psi) or less) or  
10 hot water at pressures of one hundred sixty pounds per  
11 square inch (160 psi) or less and temperatures of two  
12 hundred fifty degrees Fahrenheit (250° F) or less.

13 (b) All risers and return pipes shall be located  
14 outside the hoistway.

15 (c) Traps and shut-off valves shall provided in  
16 accessible locations outside these spaces.

17 (2) Ducts for heating, cooling, ventilating and venting  
18 these spaces only may be installed in the machine room and  
19 machinery space.

20 (3) Pipes for sprinklers only may be installed in these  
21 spaces subject to the following:

22 (a) All risers and returns shall be located outside  
23 these spaces.

24 (b) Branch lines in hoistway shall supply sprinklers  
25 at not more than one floor level.

26 (c) Shut-off valves shall be provided in accessible  
27 locations outside these spaces.

28 (4) Piping for pit and sump pumps may be installed.

1 Section 318, Inspection and Testing, of the Uniform  
2 Plumbing Code is amended by deleting Subsection  
3 (b)-(5) "Building sewer test."

4 Section 401, Materials, of the Uniform Plumbing Code, is  
5 amended by adding a new section (c) as follows:

6 (c) All drain waste and vent piping in non-combustible  
7 buildings (Types I and II construction as defined in the  
8 Building Code) shall be of approved metallic DWV piping  
9 materials. Exception: Approved non-metallic chemical drain  
10 waste and vent piping may be installed where the integrity of  
11 fire walls and floor penetrations or separations will be main-  
12 tained or protected as approved by the Building Official.  
13 Exception: Approved DWV non-metallic piping may be installed  
14 in accordance with standards established by the Building code  
15 to protect the integrity of fire walls and floor penetrations  
16 or separations as approved by the Building Official in fully  
17 sprinklered buildings.

18 Subsection (a) of Section 409, Drainage of Fixtures  
19 Located Below the Next Upstream Manhole or Below the Main  
20 Sewer Level, of the Uniform Plumbing Code, is amended to read  
21 as follows:

22 (a) Drainage piping serving fixtures, the flood level  
23 rims of which are located below the elevation of the curb or  
24 property line, at the point where the building sewer crosses  
25 under the curb or property line, and above the crown level of  
26 the main sewer, draining by gravity into the main sewer, and  
27 shall be protected from backflow of sewage by installing, when  
28 required, an approved type backwater valve, and each such

1 backwater valve shall be installed only in that branch or sec-  
2 tion of the drainage system which receives the discharge from  
3 fixtures located below the elevation of the curb or property  
4 line.

5 Chapter 4, Drainage Systems, of the Uniform Plumbing Code,  
6 is amended by adding a new section designated Section 410 -  
7 Rainwater Leaders, to read as follows:

8 Sec. 410 - Rainwater Leaders

9 (a) RAINWATER LEADERS are pipes within a building which  
10 drain storm water from roofs or other similar areas of such  
11 building. Rainwater leaders shall discharge outside such  
12 building and shall not discharge into the sanitary drainage  
13 system within a building conveying domestic sewage.

14 (b) MATERIALS. Pipe used in rainwater leaders shall be  
15 approved cast iron, or galvanized steel, lead, copper or  
16 brass, having a smooth and uniform bore. No galvanized steel  
17 pipe shall be used underground, and such pipe shall be kept at  
18 least six (6) inches above ground. Burred ends shall be  
19 reamed to the full bore of the pipe. A.B.S. or P.V.C. may be  
20 used in accordance with limitations provided in this Code  
21 relating to approvals for plastic pipe and fittings.

22 (c) FITTINGS. Fittings used in rainwater leaders shall  
23 be approved cast iron, or malleable iron, lead, copper, or  
24 brass, or other material approved by the Administrative  
25 Authority having a smooth interior way of the same diameter as  
26 the piping served. Such fittings shall conform to the type of  
27 pipe used, and such threaded fittings shall be of the recessed  
28 drainage type. Short sweep fittings may be used in rainwater

1 leaders.

2 (d) ROOF DRAINS. Roof drains shall be approved cast  
3 iron, or malleable iron, lead, copper, brass, or other  
4 approved materials.

5 (e) PROHIBITED USES. Rainwater leaders shall not be used  
6 as soil, waste or vent pipes, and soil, waste or vent pipes  
7 shall not be used as rainwater leaders.

8 (f) TRAPS. Rainwater leaders which terminate less than  
9 three (3) feet above or ten (10) feet from, any window, door,  
10 opening, air intake, exhaust vent or vent shaft, or less than  
11 three (3) feet from line of any property which may be built  
12 upon, shall be equipped with traps, but are not required to be  
13 vented. Cleanouts are not required in rainwater leaders.

14 (g) CAPACITY. The combined capacity of rainwater leaders  
15 serving any building shall be not less than as calculated by  
16 approved engineering procedure or as set forth in Table 4-4.

17 (h) TESTING. All rainwater leaders shall be tested.

18 Table No. 4-4

19 RAINWATER LEADERS

20	21	22	23	24	25	26	27	28
Roof or Other Area Served								
(Square Feet)								
1 - 1050								
1051 - 3150								
3151 - 6450								
6451 - 10800								
10801 - 18000								
18001 - 35700								
35701 - 58800								
58801 - 95400								

1 (1) If Table 4-4 does not provide a practical solution  
2 for sizing rainwater leaders, refer to Appendix D Rainwater  
3 Systems in this Code for more comprehensive engineering design  
4 information relating to installation of rainwater systems.

5 Section 503, Materials, of the Uniform Plumbing Code is  
6 amended by adding a new section (d) as follows:

7 (d) All drain waste and vent piping in non-combustible  
8 buildings (types I and II construction as defined in the  
9 Building Code) shall be of approved metallic DWV piping  
10 materials. Exception: Approved non-metallic chemical drain,  
11 waste and vent piping may be installed where the integrity of  
12 fire walls and floor penetrations or separations will be main-  
13 tained or protected as approved by the Building Official.  
14 Exception: Approved DWV established by the Building Code to  
15 protect the integrity of fire walls and floor penetrations as  
16 approved by the Building Official in fully sprinklered  
17 buildings.

18 Section 608, Appliances, of the Uniform Plumbing Code is  
19 amended by adding Subsections (e), (f), and (g) to read as  
20 follows:

21 (e) Commercial dishwashers shall be connected to the  
22 building drainage system with an indirect waste pipe air-  
23 gapped to a floor sink or as defined in Chapter 1 -  
24 Definitions in this Code.

25 (f) Drainage piping for residential dishwashers required  
26 in new construction shall be installed as a part of the  
27 roughing-in plumbing system.

28 (g) Approved countertop and in-sink air-gap fittings are

1 acceptable for residential remodel dishwasher installations,  
2 when installed in accordance with the plumbing code as  
3 amended. (Refer to Subsection (f) above for new construction)

4 Subsection (a) of Section 611, Steam and Hot Water  
5 Drainage Condensers and Sumps, is amended to read as follows:

6 (a) No steam piping shall be directly connected to any  
7 part of a plumbing or drainage system unless approved by the  
8 Administrative Authority, nor shall any water having a temper-  
9 ature above one hundred and forty degrees Fahrenheit (140°F.)  
10 be discharged under pressure directly into any part of a  
11 drainage system. Such pipes may be indirectly connected by  
12 discharging into an open or closed condenser, or intercepting  
13 sump of approved type, that will prevent the entrance of steam  
14 or such water under pressure into drainage system. All closed  
15 condensers or sumps shall be provided with a vent, which shall  
16 be taken off the top and extended separately, full size above  
17 the roof. All condensers and sumps shall be properly trapped  
18 at the outlet with a deep seal trap extending to within 6  
19 inches of the bottom of the tank. The top of the deep seal  
20 trap shall have a 3/4 inch opening located at the highest  
21 point of the trap to serve as a syphon breaker. Outlets shall  
22 be taken off from the side in such manner as to allow a water  
23 line to be maintained that will permanently occupy not less  
24 than one-half (1/2) the capacity of the condenser or sump.  
25 All inlets shall enter above the water line. Wearing plate or  
26 baffles shall be installed in the tank to protect the shell.  
27 The sizes of the blowoff line inlet, the water outlets, and  
28 the vent shall be as shown in Table 6-1. The contents of

1 condensers receiving steam or hot water under pressure must  
2 pass through an open sump before entering the drainage system.

3 Chapter 6, Indirect Waste Piping, Wet Vented Systems, and  
4 Special Wastes, of the Uniform Plumbing Code is amended by  
5 adding a new section designated Section 616 - Parking Garage  
6 Drainage Systems to read as follows:

7 Sec. 616 - Parking Garage Drainage Systems. All floor  
8 drainage under the roof of a parking garage shall be connected  
9 to the sanitary drainage system. When the top floor of the  
10 building is used as a roof as well as a parking area, the  
11 drainage from the roof shall be connected to the storm drain-  
12 age system. Drainage from conventional plumbing fixtures  
13 shall not be inter-connected with the floor drainage system.  
14 Provided, however, drainage lines from car or truck washing  
15 equipment may be connected to the floor drainage system  
16 through an approved interceptor. Floor drainage waste lines  
17 shall be a minimum of three (3) inches in size. Waste unit  
18 loadings for three-inch or larger size floor drainage piping  
19 shall be sized in accordance with Table 4-3 of this code.

20 Floor drains or floor drain openings shall be equiped with  
21 approved stainers and need not be trapped when connected to  
22 the building drain through a properly trapped and vented  
23 interceptor. Traps shall not be used when the floor drains  
24 are located in areas exposed to freezing temperatures. The  
25 waste line from floor drains entering an interceptor shall be  
26 above the waste line discharging from the interceptor to the  
27 building drain. The sand interceptor receiving the floor  
28 drains shall have a water seal of not less than six (6)

1 inches. Floor drain traps need not be vented individually if  
2 line venting is used through an approved indirect waste system  
3 with a properly trapped and vented interceptor. A line vent  
4 for floor drains shall terminate through the roof or to an  
5 approved location in the outside atmosphere. When using line  
6 venting, the terminating vents, if more than one, shall be  
7 equal in cross sectional area to the size of the waste line  
8 entering the interceptor or the line vent may continue full  
9 size from the interceptor to the point of termination. All  
10 plans for parking garage floor drainage systems shall be sub-  
11 mitted to the Administrative Authority prior to installation  
12 for approval.

13 Section 803, Use of Joints, of the Uniform Plumbing Code  
14 is amended by adding subsection (g) to read as follows:

15 Add "(g) Insulated Couplings - When connecting piping of  
16 dissimilar conductive materials, an approved dielectric fit-  
17 ting may be used to diminish the possible damage due to  
18 electrolysis."

19 Section 910, Plumbing Fixtures Required, of the Uniform  
20 Plumbing Code is amended by adding Subsection (a) and  
21 Subsection (b) to read as follows:

22 (a) Plumbing Fixtures Required. Each building shall be  
23 provided with sanitary facilities as prescribed by the  
24 Administrative Authority.

25 An amended list of minimum plumbing facilities for various  
26 occupancies is set forth in Appendix C of this code.

27 (b) Water Saver Toilet Tanks. ANSI A112.19.2M-1982.

28 5.1.7.8 Water-conservation Water Closets. Water closets hav-

1 ing an average water consumption (total flush volume) not  
2 exceeding 3.5 gal. (13.3l) over the range of test pressures as  
3 specified for each closet type (Table 4 and 7.4.2) and not  
4 exceeding 4.0 gal. (15.1l) at any one test pressure (based  
5 upon average values from the three-run test sets as determined  
6 in 7.4.6.1) are required.

7 Section 1003, Cross-Connection Control, of the Uniform  
8 Plumbing Code is amended by adding Subsection (q) "Approved  
9 Installation Requirements for Reduced Pressure Principle  
10 Backflow Prevention Devices and/or Double Check Valve  
11 Assemblies" to read as follows:

12 (q) Approved Installation Requirements For Reduced  
13 Pressure Principle Backflow Prevention Devices and/or Double  
14 Check Valve Assemblies. Installation of a reduced pressure  
15 principle backflow prevention device and/or double check valve  
16 assembly may be required by the Administrative Authority in  
17 accordance with this Code and the Washington Administrative  
18 Code (WAC) 248-54-285. It is unlawful to install a reduced  
19 pressure device and/or double check valve assembly without  
20 first obtaining approval to do so from the Administrative  
21 Authority. Upon obtaining approval, a plumbing permit shall  
22 be secured with payment of the prescribed fee. Such permit  
23 shall be conspicuously posted in the immediate area where the  
24 reduced pressure device and/or double check valve assembly is  
25 to be installed. The reduced pressure device and/or double  
26 check valve assembly shall be subject to an initial testing  
27 procedure upon installation to insure the device is operating  
28 in an approved manner.

1 All reduced pressure devices and/or double check valve  
2 assemblies, including those installed prior to the adoption of  
3 this code, shall be subject to testing on an annual basis or  
4 more often as deemed necessary by the Administrative  
5 Authority.

6 Upon approval of the annual test, an operating permit will  
7 be issued to the owner or occupant of the premises whereon  
8 such reduced pressure device and/or double check assembly is  
9 installed. It shall be the responsibility of the owner or  
10 occupant to cause such annual tests to be made by a person  
11 qualified and approved by the Administrative Authority to per-  
12 form such tests. Refusal by the owner or occupant to cause  
13 such tests to be made and to obtain annual approval for the  
14 continued operation of each reduced pressure device and/or  
15 double check valve assembly shall be sufficient cause for the  
16 determination of the public water service to the premise.

17 Reduced pressure devices and/or double check value assem-  
18 blies shall be provided with a Pressure Relief Valve  
19 installed in accordance with applicable sections of this  
20 plumbing code pertaining to Pressure Relief Valves.

21 Section 1003, Cross-Connection Control, of the Uniform  
22 Plumbing Code is amended by adding Subsection (r) "Heat  
23 Exchangers for Closed Systems Used for Heat Recovery or Solar  
24 Systems: to read as follows:

25 (r) Any closed loop system using a transfer fluid or gas  
26 which may contain toxic or nontoxic substances to reduce cor-  
27 rosion or prevent freezing shall use a double wall heat  
28 exchanger having a provision for any leakage to be drained to  
the atmosphere.

Subsection (a) of Section 1004, Materials, of the Uniform

1 Plumbing Code is amended to read as follows:

2 (a) Water pipe and fittings shall be of brass, copper,  
3 cast iron, galvanized wrought iron or other approved  
4 materials. Asbestos-cement, CPVC, PB, PE, or PVC water pipe  
5 manufactured to recognized standards may be used for cold  
6 water distribution systems outside a building. CPVC and PB  
7 water pipe and tubing may be used for hot and cold water dis-  
8 tribution systems within a building. All materials used in  
9 the water supply system, except valves and similar devices  
10 shall be of a like material, except where otherwise approved  
11 by the Administrative Authority.

12 Subsection (a) and (c) of Section 1007, Water Pressure,  
13 pressure Regulators and Pressure Relief Valves, of the Uniform  
14 Plumbing Code are amended to read as follows:

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

21 \* \* \*

22 (c) Any water system provided with a pressure regulating  
23 device or check valve at its source or any water system con-  
24 taining water heating equipment shall be provided with an  
25 approved, listed, adequately sized pressure relief valve. The  
26 pressure relief valve shall be installed on the water hearing  
27 equipment (domestic hot water tank) or in the hot or cold  
28 water, in an approved location based on the listing require-

1 ments and the manufacturer instructions, piping serving the  
2 heating equipment. There shall be no valves installed in the  
3 water piping between the heating equipment and the pressure  
4 relief valve serving the heating equipment.

5 Subsection (a) of Section 1008, Installation, Inspection  
6 and Testing, of the Uniform Plumbing Code is amended to read  
7 as follows:

8 (a) Installation. All water piping shall be adequately  
9 supported to the satisfaction of the Administrative Authority.  
10 Burred ends shall be reamed to the full bore of the pipe or  
11 tube. Changes in direction shall be made by the appropriate  
12 use of fittings, except that changes in direction in copper  
13 tubing may be made with bends provided that such bends are  
14 made with bending equipment which does not deform or create a  
15 loss in cross sectional area of the tubing. Provisions shall  
16 be made for expansion in hot water piping. All piping,  
17 equipment, appurtenances and devices shall be installed in a  
18 workman-like manner in conformity with the provisions and  
19 intent of the Code. All water service yard piping shall have  
20 a minimum cover of twenty-four (24) inches below finish grade.

21 Subsection (b) of Section 1008, Installation, Inspection  
22 and Testing, of the Uniform Plumbing Code is amended by adding  
23 Subsection (3) to read as follows:

24 (3) If both conditions listed in (1) and (2) cannot be  
25 met due to an inadequate building drain cover below finish  
26 grade, an approved alternative would be a minimum of five foot  
27 horizontal separation of the underground water pipes from the  
28 building drain or drainage piping.

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Section 2. Ordinance 113356, approved March 26, 1987, is hereby repealed, provided such repeal shall not affect any right accrued, any penalty incurred or any proceeding commenced pursuant to said repealed ordinance.

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

Type of Building or Occupancy <sup>2</sup>	Water Closets Males	Water Closets Females	Urinals <sup>8</sup> Fixtures/Males	Male <sup>10</sup> Lavatories	Female <sup>10</sup> Lavatories	Bathrooms or Showers Fixtures/Person	Drinking Fountains <sup>3</sup> Persons
As Required by State Law							
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 Over 400 add 1 fixture for each additional 500 males and 2 for each 300 females.	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 Over 750, add 1 fixture for each additional 500 persons	1:1-200 2:201-400 3:401-750 Over 750, add 1 fixture for each additional 500 persons	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	---	---
Fixtures/Employees							
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 for each additional 50		---	1 per floor
Manufacturing, warehouses, workshops, loft buildings, boundaries 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	1 per floor
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 dwelling unit

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

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

13 In applying the schedule of facilities set forth in  
14 Appendix C, consideration shall be given to the  
15 accessibility of the fixtures. Regulations promulgated  
16 under Chapter 51-10, WAC, 1989, standards designed for  
17 making occupancies and facilities accessible to the  
18 handicapped, and rules and regulations of the  
19 Washington State Building Code Council may affect  
20 certain plumbing fixtures and facilities. Check with  
21 the Department of Construction and Land Use for further  
22 information regarding these regulations and their  
23 applicability.

- 24 2. Minimum plumbing facilities for buildings or  
25 occupancies not shown in this table shall be required  
26 by the Director of Public Health.
- 27 3. Drinking fountains shall not be installed in toilet  
28 rooms or on janitor services sinks.
- 29 4. Kitchen sinks - one for each dwelling unit.
- 30 5. As required by the American Standard Safety Code for  
31 Industrial Sanitation in Manufacturing establishments  
32 (ASSA Z4.1---1942).
- 33 6. Where there is exposure to skin contamination with  
34 poisonous, infectious, or irritating materials, provide  
35 one lavatory for each five persons.
- 36 7. Twenty-four linear inches of wash sinks or eighteen  
37 inches of a circular basin, when provided with water  
38 outlets for such space, shall be considered equivalent  
39 to one lavatory.
- 40 8. a. Trough urinals: floor and wall type trough  
41 urinals are prohibited.
- 42 b. Surrounding materials: Wall and floor surfaces  
43 located within one foot from the front of the  
44 urinal lip, at least four feet above the floor,  
45 and at least one foot on each side of the urinal  
46 shall be constructed of non-absorbent material.
- 47 9. a. Toilet facilities shall be provided in separate  
48 rooms for each sex wherever more than four people  
49 are employed and such employees are not of the  
50 same sex.
- 51 b. Handwashing basins convenient to employees' work  
52 areas and supplied with hot and cold water and an  
53 approved water mixing faucet shall be provided in

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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 provided in food markets, taverns and restaurants. Such sinks shall be fitted with traps of no less than one and one-half inches diameter, and shall be constructed of cast iron enamel or an equivalent substance with a finish or a smooth non-porous 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.

(To be used for all Ordinances except Emergency.)

Section.....3. This ordinance shall take effect and be in force thirty days from and after its passage and approval, if approved by the Mayor; otherwise it shall take effect at the time it shall become a law under the provisions of the city charter.

Passed by the City Council the 18<sup>th</sup> day of September, 1989, and signed by me in open session in authentication of its passage this 18<sup>th</sup> day of September, 1989.

*[Signature]*  
President of the City Council.

Approved by me this 28<sup>th</sup> day of September, 1989.

*[Signature]*  
Mayor.

Filed by me this 28<sup>th</sup> day of September, 1989.

Attest: *Howard J. Brooks*  
City Comptroller and City Clerk.

(SEAL)

Published.....

By *Theresa Dunbar*  
Deputy Clerk.

1 thirty (30) days after receipt of such petition. The appel-  
2 lant shall be entitled to appear in person before the Board,  
3 to be represented by an attorney, and to introduce evidence in  
4 support of such petition. The appellant shall cause to be  
5 made at his own expense any test or research required by the  
6 Board for the substantiation of any claim(s) made by the  
7 appellant.

8 (c) Decisions of the Board shall be in writing; shall be  
9 distributed to the Administrative Authority and the appellant;  
10 and shall apply only to the case being heard. The Board may  
11 make recommendations to the Administrative Authority for  
12 changes in the code where an appeal heard by the Board may  
13 indicate the need for a code change.

14 Section 102 of the Uniform Plumbing Code is amended by  
15 deleting definition "(c) Administrative Authority."

16 Section 105 of the Uniform Plumbing Code is amended by  
17 deleting definition "(a) Department Having Jurisdiction."

18 Section 105, of the Uniform Plumbing Code is amended by  
19 adding definition "(d-1) Domestic Water Heater" to read as  
20 follows:

21 (d-1) DOMESTIC WATER HEATER. A domestic water heater is  
22 a tank with a self-contained heating unit which stores potable  
23 hot water for residential or commercial use with a nominal  
24 water containing capacity of 120 gallons or less, having a  
25 heating input of 200,000 BTU's per hour or less used for hot  
26 water supply at pressure of 160 pounds per square inch or less  
27 and at operating temperatures of 200°F or less.

28 Section 105 of the Uniform Plumbing Code is amended by

1 adding definition "(d-2) Double Check Valve Assembly -  
2 Approved" to read as follows:

3 (d-2) DOUBLE CHECK VALVE ASSEMBLY - APPROVED. A double  
4 check valve assembly is an approved unit consisting of two  
5 independently acting, internally-loaded and approved check  
6 valves. The Double Check Valve Assembly shall be installed as  
7 an approved unit in an approved assembly consisting of two  
8 approved control valves, and required test cocks.

9 Section 105 of the Uniform Plumbing Code, definition  
10 "(f) Drainage System", is amended to read as follows:

11 (f) DRAINAGE SYSTEM. All the piping within a building  
12 which conveys sewage or other liquid wastes to a building  
13 drain, together with such building drain.

14 Section 107 of the Uniform Plumbing code is amended by  
15 adding definition "(k) Finish Plumbing" to read as follows:

16 (k) FINISH PLUMBING means that part of the plumbing  
17 system installed after the rough-in plumbing has been  
18 completed. The finish plumbing would include but not be  
19 limited to: the trimming and setting of fixtures, the  
20 installing of "P" traps and the connecting of hot and cold  
21 water fixture supplies.

22 Section 113 of the Uniform Plumbing Code, definition  
23 "(d) Listing Agency", is amended to read as follows:

24 (d) LISTING AGENCY. Listing agency means an agency  
25 accepted by the Administrative Authority which is in the busi-  
26 ness of listing or labeling and which maintains a periodic  
27 inspection program on current production of listed models, and  
28 which makes available a published report of such listing in

1 water pressure of at least twenty (20) pounds per square inch,  
2 after allowing for friction and other pressure losses, a tank  
3 and pump or other means which will provide twenty (20) pounds  
4 pressure shall be installed.

5 \* \* \*

6 (c) Any water system provided with a pressure regulating  
7 device or check valve at its source or any water system con-  
8 taining water heating equipment shall be provided with an  
9 approved, listed, adequately sized pressure relief valve. The  
10 pressure relief valve shall be installed on the water hearing  
11 equipment (domestic hot water tank) or in the hot or cold  
12 water piping serving the heating equipment. There shall be no  
13 valves installed in the water piping between the heating  
14 equipment and the pressure relief valve serving the heating  
15 equipment.

16 Subsection (a) of Section 1008, Installation, Inspection  
17 and Testing, of the Uniform Plumbing Code is amended to read  
18 as follows:

19 (a) Installation. All water piping shall be adequately  
20 supported to the satisfaction of the Administrative Authority.  
21 Burred ends shall be reamed to the full bore of the pipe or  
22 tube. Changes in direction shall be made by the appropriate  
23 use of fittings, except that changes in direction in copper  
24 tubing may be made with bends provided that such bends are  
25 made with bending equipment which does not deform or create a  
26 loss in cross sectional area of the tubing. Provisions shall  
27 be made for expansion in hot water piping. All piping,  
28 equipment, appurtenances and devices shall be installed in a

1 water pressure of at least twenty (20) pounds per square inch,  
2 after allowing for friction and other pressure losses, a tank  
3 and pump or other means which will provide twenty (20) pounds  
4 pressure shall be installed.

5 \* \* \*

6 (c) Any water system provided with a pressure regulating  
7 device or check valve at its source or any water system con-  
8 taining water heating equipment shall be provided with an  
9 approved, listed, adequately sized pressure relief valve. The  
10 pressure relief valve shall be installed on the water hearing  
11 equipment (domestic hot water tank) or in the hot or cold  
12 water, *in an approved location based on the listing requirements* piping serving the heating equipment. There shall be no  
13 valves installed in the water piping between the heating  
14 equipment and the pressure relief valve serving the heating  
15 equipment.

16 Subsection (a) of Section 1008, Installation, Inspection  
17 and Testing, of the Uniform Plumbing Code is amended to read  
18 as follows:

19 (a) Installation. All water piping shall be adequately  
20 supported to the satisfaction of the Administrative Authority.  
21 Burred ends shall be reamed to the full bore of the pipe or  
22 tube. Changes in direction shall be made by the appropriate  
23 use of fittings, except that changes in direction in copper  
24 tubing may be made with bends provided that such bends are  
25 made with bending equipment which does not deform or create a  
26 loss in cross sectional area of the tubing. Provisions shall  
27 be made for expansion in hot water piping. All piping,  
28 equipment, appurtenances and devices shall be installed in a

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

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

In applying the schedule of facilities set forth in Appendix C, consideration shall be given to the accessibility of the fixtures. Regulations promulgated under Section 504 of the United States Rehabilitation Act of 1973 and State of Washington standards designed for making occupancies and facilities accessible to the handicapped, and rules and regulations of the Washington State Building Code Advisory Council may affect certain plumbing fixtures and facilities. Check with King County Building and Land Development for further information regarding these regulations and their applicability.

- 2. Minimum plumbing facilities for buildings or occupancies not shown in this table shall be required by the Director of Public Health.
- 3. Drinking fountains shall not be installed in toilet rooms or on janitor services sinks.
- 4. Kitchen sinks--one for each dwelling unit.
- 5. As required by the American Standard Safety Code for Industrial Sanitation in Manufacturing establishments (ASSA Z4.1---1942).
- 6. Where there is exposure to skin contamination with poisonous, infectious, or irritating materials, provide one lavatory for each five persons.
- 7. Twenty-four linear inches of wash sink or eighteen inches of a circular basin, when provided with water outlets for such space, shall be considered equivalent to one lavatory.
- 8.
  - a. Trough urinals: floor and wall type trough urinals are prohibited.
  - b. Surrounding materials: Wall and floor surfaces located within one foot from the front of the urinal lip, at least four feet above the floor, and at least one foot on each side of the urinal shall be constructed of non-absorbent material.
- 9.
  - a. Toilet facilities shall be provided in separate rooms for each sex wherever more than four people are employed 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 inches diameter, and shall be constructed of cast iron enamel or an equivalent substance with a finish or a smooth non-porous 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.

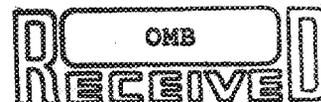


City of Seattle  
Charles Royer, Mayor



King County  
Tim Hill, Executive

**Seattle-King County Department of Public Health**  
Bud Nicola, M.D., M.H.S.A., Director



May 11, 1989

**MAY 15 1989**

Sam Smith, President  
Seattle City Council  
11th Floor Municipal Bldg.  
Seattle, WA 98104

**842046**

VIA: Ken Bounds, Director  
Office of Management and Budget  
300 Municipal Building

ATTENTION: Allan Painter

Dear Councilman Smith:

The Seattle-King County Department of Public Health recommends adoption of the enclosed Council Bill, enacting Seattle's amendments to the 1988 Uniform Plumbing Code and repealing amendments to the 1985 Uniform Plumbing Code. Legislation to replace the 1985 code with the 1988 code is being submitted simultaneously. Although the Bill is thirty pages long, there are only a few changes.

Currently an aggrieved applicant can appeal to the Plumbing Appeals Board, and then to the Hearing Examiner. No one has ever taken the latter step. We recommend that appellants be afforded only one administrative appeal, as is usual in other City programs. (p. 11)

The 1985 and 1988 Uniform Codes establish a maximum water pressure of eighty pounds per square inch (80 p.s.i.) Seattle's code allows 100 p.s.i. Our experience with this more lenient standard has not been satisfactory, and we recommend that the Uniform Code's standard apply in Seattle.

We propose exclusion of galvanized malleable iron and galvanized steel from the list of approved materials. There are no recognized standards for their use, and they tend to corrode faster than other materials in soft water systems, such as ours. (p. 16)

Finally, we propose to increase the number of restroom fixtures for women in places of public assembly, roughly threefold. Current standards are based on antiquated assumptions about the ratios of the sexes at sporting events, theaters, etc., and account for disproportionately long lines outside women's

Sam Smith  
May 11, 1989  
Page 2

restrooms. We propose to bring Seattle's standards up to those in the 1988 Uniform Code. (p. 28)

No additional City employment would be required to implement this ordinance. Seattle as the owner of places of public assembly (at Seattle Center) would be required to spend more on construction and maintenance of larger women's restrooms. However, there are several offsetting considerations. First, this requirement (like most construction code requirements) applies only to new construction or major remodels. Second, public pressure already has caused installation of more fixtures for women than current codes require, at Husky Stadium, the Kingdome, and at Seattle Center itself. Third, shorter lines will mean shorter intermissions, which will mean shorter operating hours at these facilities. And fourth, attendance (and therefore revenue) should increase, to the extent that women who are especially averse to excessive waiting periods (for medical or other reasons) would increase patronage of places of public assembly operated by the City or subject to its admissions tax. We cannot quantify these changes; Seattle Center personnel could be helpful.

Gordon Crandall of the Law Department prepared this legislation, and Councilmembers Noland and Williams have indicated a desire to sponsor it. Substantially identical legislation was reviewed without objection by the Plumbing Advisory Board and is now pending in the County Council. If you have further questions, feel free to contact me (296-4603), Director of Environmental Health Chuck Kleeberg (296-4731), or Chief Plumbing Inspector Dick Andersen (296-4767).

Sincerely,



Bud Nicola, M.D.  
Director of Public Health

BN:nr

cc: Plumbing Advisory Board members  
Leroy McCullough, Hearing Examiner  
Chuck Kleeberg  
Dick Andersen  
Kirk Robbins

# City of Seattle

Executive Department-Office of Management and Budget

James P. Ritch, Director  
Charles Royer, Mayor



COPY RECEIVED

May 22, 1989

MAY 25 1989

The Honorable Douglas Jewett  
City Attorney  
City of Seattle

SEATTLE CITY ATTORNEY

*Barbours* 6/1/89

Dear Mr. Jewett:

The Mayor is proposing to the City Council that the enclosed legislation be adopted.

REQUESTING  
DEPARTMENT: Health Department

SUBJECT: An ordinance relating to the Plumbing Code of The City of Seattle; adopting the Seattle Amendments to the 1988 Uniform Plumbing Code, and repealing Ordinance 113356.

Pursuant to the City Council's S.O.P. 100-014, the Executive Department is forwarding this request for legislation to your office for review and drafting.

After reviewing this request and any necessary redrafting of the enclosed legislation, return the legislation to OMB. Any specific questions regarding the legislation can be directed to Alan Painter.

Sincerely,

Charles Royer  
Mayor

by

*Kenneth R. Bounds*  
KENNETH R. BOUNDS  
Acting Budget Director

KB/ap/ncb

Enclosure

cc: Director, Health Department

TIME AND DATE STAMP

**SPONSORSHIP**

THE ATTACHED DOCUMENT IS SPONSORED FOR FILING WITH THE CITY COUNCIL BY  
THE MEMBER(S) OF THE CITY COUNCIL WHOSE SIGNATURE(S) ARE SHOWN BELOW:

*Jane Bland*

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**FOR CITY COUNCIL PRESIDENT USE ONLY**

COMMITTEE(S) REFERRED TO:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
PRESIDENT'S SIGNATURE

STATE OF WASHINGTON - KING COUNTY

19950  
City of Seattle

—ss.

No.

Affidavit of Publication

The undersigned, on oath states that he is an authorized representative of The Daily Journal of Commerce, a daily newspaper, which newspaper is a legal newspaper of general circulation and it is now and has been for more than six months prior to the date of publication hereinafter referred to, published in the English language continuously as a daily newspaper in Seattle, King County, Washington, and it is now and during all of said time was printed in an office maintained at the aforesaid place of publication of this newspaper. The Daily Journal of Commerce was on the 12th day of June, 1941, approved as a legal newspaper by the Superior Court of King County.

The notice in the exact form annexed, was published in regular issues of The Daily Journal of Commerce, which was regularly distributed to its subscribers during the below stated period. The annexed notice, a

GRD/114713

was published on

10/12/89

The amount of the fee charged for the foregoing publication is the sum of \$ \_\_\_\_\_, which amount has been paid in full.

Bethany Morris

Subscribed and sworn to before me on

Valerie Hallahan

Notary Public for the State of Washington,  
residing in Seattle