



KING COUNTY

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

Signature Report

May 29, 2007

Ordinance 15802

Proposed No. 2007-0255.2

Sponsors Phillips

1 AN ORDINANCE relating to building and construction in
2 King County; adopting, amending and supplementing the
3 International Building Code, International Residential
4 Code, International Mechanical Code, and International
5 Property Maintenance Code; amending Ordinance 14111,
6 Section 4, as amended, and K.C.C. 16.02.110, Ordinance
7 10608, Section 3, as amended, and K.C.C. 16.02.130,
8 Ordinance 14914, Section 9, and K.C.C. 16.02.150,
9 Ordinance 12560, Section 6, as amended, and K.C.C.
10 16.02.190, Ordinance 12560, Section 10, as amended, and
11 K.C.C. 16.02.240, Ordinance 12560, Section 18, as
12 amended, and K.C.C. 16.02.290, Ordinance 12560, Section
13 12, as amended, and K.C.C. 16.02.320, Ordinance 12560,
14 Section 25, as amended, and K.C.C. 16.02.400, Ordinance
15 12560, Section 34, as amended, and K.C.C. 16.02.510,
16 Ordinance 12560, Section 35, as amended, and K.C.C.
17 16.02.520, Ordinance 12560, Section 9, as amended, and

18 K.C.C. 16.02.560, Ordinance 14914, Section 82, and K.C.C.
19 16.02.580, Ordinance 3647, Section 3, as amended, and
20 K.C.C. 16.03.040, Ordinance 12560, Section 41, as
21 amended, and K.C.C. 16.04.210, Ordinance 14914, Section
22 133, and K.C.C. 16.04.260, Ordinance 12560, Section 44, as
23 amended, and K.C.C. 16.04.270, Ordinance 14111, Section
24 43, as amended, and K.C.C. 16.04.280, Ordinance 14111,
25 Section 58, as amended, and K.C.C. 16.04.350, Ordinance
26 14914, Section 156, and K.C.C. 16.04.370, Ordinance
27 14914, Section 157, and K.C.C. 16.04.380, Ordinance
28 14914, Section 158, and K.C.C. 16.04.390, Ordinance
29 12560, Section 50, as amended, and K.C.C. 16.04.410,
30 Ordinance 14914, Section 167, and K.C.C. 16.04.470,
31 Ordinance 14914, Section 178, and K.C.C. 16.04.520,
32 Ordinance 12560, Section 67, as amended, and K.C.C.
33 16.04.550, Ordinance 12560, Section 68, as amended, and
34 K.C.C. 16.04.560, Ordinance 12560, Section 69, as
35 amended, and K.C.C. 16.04.570, Ordinance 12560, Section
36 70, as amended, and K.C.C. 16.04.580, Ordinance 12560,
37 Section 71, as amended, and K.C.C. 16.04.590, Ordinance
38 12560, Section 72, as amended, and K.C.C. 16.04.600,
39 Ordinance 12560, Section 73, as amended, and K.C.C.
40 16.04.610, Ordinance 12560, Section 74, as amended, and

41 K.C.C. 16.04.620, Ordinance 12560, Section 75, as
42 amended, and K.C.C. 16.04.630, Ordinance 12560, Section
43 76 as amended, and K.C.C. 16.04.640, Ordinance 12560,
44 Section 77, as amended, and K.C.C. 16.04.650, Ordinance
45 12560, Section 78, as amended, and K.C.C. 16.04.660,
46 Ordinance 12560, Section 79, as amended, and K.C.C.
47 16.04.670, Ordinance 12560, Section 80 as amended, and
48 K.C.C. 16.04.680, Ordinance 12560, Section 81, as
49 amended, and K.C.C. 16.04.690, Ordinance 12560, Section
50 82, as amended, and K.C.C. 16.04.700, Ordinance 12560,
51 Section 83, as amended, and K.C.C. 16.04.710, Ordinance
52 12560, Section 84, as amended, and K.C.C. 16.04.720,
53 Ordinance 12560, Section 85, as amended, and K.C.C.
54 16.04.730, Ordinance 12560, Section 86, as amended, and
55 K.C.C. 16.04.740, Ordinance 12560, Section 87, as
56 amended, and K.C.C. 16.04.750, Ordinance 12560, Section
57 88, as amended, and K.C.C. 16.04.760, Ordinance 12560,
58 Section 89, as amended, and K.C.C. 16.04.770, Ordinance
59 12560, Section 90, as amended, and K.C.C. 16.04.780,
60 Ordinance 12560, Section 91, as amended, and K.C.C.
61 16.04.790, Ordinance 12560, Section 92, as amended, and
62 K.C.C. 16.04.800, Ordinance 12560, Section 93, as
63 amended, and K.C.C. 16.04.810, Ordinance 12560, Section

64 94, as amended, and K.C.C. 16.04.820, Ordinance 12560,
65 Section 95, as amended, and K.C.C. 16.04.830, Ordinance
66 12560, Section 96, as amended, and K.C.C. 16.04.840,
67 Ordinance 12560, Section 97, as amended, and K.C.C.
68 16.04.850, Ordinance 12560, Section 98, as amended, and
69 K.C.C. 16.04.860, Ordinance 11923, Section 2, and K.C.C.
70 16.04.890, Ordinance 12380, Section 5, as amended, and
71 K.C.C. 16.04.970, Ordinance 7853, Section 1, as amended,
72 and K.C.C. 16.04.980, Ordinance 14914, Section 269, and
73 K.C.C. 16.05.010, Ordinance 14914, Section 271, and
74 K.C.C. 16.05.030, Ordinance 14914, Section 272, and
75 K.C.C. 16.05.040, Ordinance 14914, Section 273, and
76 K.C.C. 16.05.050, Ordinance 14914, Section 275, and
77 K.C.C. 16.05.070, Ordinance 14914, Section 276, and
78 K.C.C. 16.05.080, Ordinance 14914, Section 277, and
79 K.C.C. 16.05.090, Ordinance 14914, Section 278, and
80 K.C.C. 16.05.100, Resolution 21284, Section 1, and K.C.C.
81 16.70.010, Resolution 21284, Section 4, and K.C.C.
82 16.70.040, Resolution 21284, Section 3, as amended, and
83 K.C.C. 16.70.030, Resolution 21284 (part), as amended, and
84 K.C.C. 16.70.060, Ordinance 12560, Section 57, as
85 amended, and K.C.C. 16.05.110, Resolution 21284, Section
86 2, and K.C.C. 16.70.020, Resolution 21284, Section 5, as

87 amended, and K.C.C. 16.70.050, Ordinance 12560, Section
88 74, as amended, and K.C.C. 16.05.130, Ordinance 14238,
89 Section 19, as amended, and K.C.C. 16.06.020, Ordinance
90 14238, Section 22, as amended, and K.C.C. 16.06.050,
91 Ordinance 14111, Section 118, as amended, and K.C.C.
92 16.12.010, Ordinance 14111, Section 129, as amended, and
93 K.C.C. 16.14.010, Ordinance 14238, Section 7, as amended,
94 and K.C.C. 16.14.320, Ordinance 14238, Section 9, as
95 amended, and K.C.C. 16.14.340, Ordinance 14238, Section
96 11, as amended, and K.C.C. 16.14.360, Ordinance 14238,
97 Section 12, as amended, and K.C.C. 16.14.370, Ordinance
98 14238, Section 13, as amended, and K.C.C. 16.14.380,
99 Ordinance 14238, Section 14, as amended, and K.C.C.
100 16.14.390, Ordinance 14238, Section 15, as amended, and
101 K.C.C. 16.14.400, Ordinance 6746, Section 5, as amended,
102 and K.C.C. 16.32.030, Ordinance 6746, Section 7, and
103 K.C.C. 16.32.050, Ordinance 6746, Section 10, as
104 amended, and K.C.C. 16.32.080, Ordinance 6746, Section
105 19, as amended, and K.C.C. 16.32.170 and Ordinance
106 6746, Section 48, and K.C.C. 16.32.460, adding new
107 sections to K.C.C. chapter 16.02, adding a new section to
108 K.C.C. chapter 16.03, adding new sections to K.C.C.
109 chapter 16.04, adding new sections to K.C.C. chapter

110 16.05, adding new sections to K.C.C. chapter 16.10, adding
111 a new section to K.C.C. chapter 16.12, adding new sections
112 to K.C.C. chapter 16.14, adding new sections to K.C.C.
113 chapter 16.32, recodifying K.C.C. 16.70.010, 16.70.040,
114 16.70.030, 16.70.060, 16.70.020 and 16.70.050,
115 decodifying K.C.C. 16.32.468 and repealing Ordinance
116 12560, Section 40, as amended, and K.C.C. 16.04.200,
117 Ordinance 12560, Section 42, as amended, and K.C.C.
118 16.04.220, Ordinance 12560, Section 38, as amended, and
119 K.C.C. 16.04.230, Ordinance 12560, Section 39, as
120 amended, and K.C.C. 16.04.240, Ordinance 14914, Section
121 166, and K.C.C. 16.04.460, Ordinance 14914, Section 311,
122 and K.C.C. 16.12.015, Ordinance 12560, Section 100, as
123 amended, and K.C.C. 16.12.020, Ordinance 14914, Section
124 313, and K.C.C. 16.12.025, Ordinance 12560, Section 101,
125 as amended, and K.C.C. 16.12.030, Ordinance 14914,
126 Section 315, and K.C.C. 16.12.035, Ordinance 12560,
127 Section 105, as amended, and K.C.C. 16.12.070, Ordinance
128 14914, Section 317, and K.C.C. 16.12.075, Ordinance
129 12560, Section 106, as amended, and K.C.C. 16.12.080,
130 Ordinance 12560, Section 107, as amended, and K.C.C.
131 16.12.090, Ordinance 12560, Section 108, as amended, and
132 K.C.C. 16.12.100, Ordinance 14914, Section 321, and

133 K.C.C. 16.12.110, Ordinance 12560, Section 104, as
134 amended, and K.C.C. 16.12.120, Ordinance 14914, Section
135 324, and K.C.C. 16.12.130, Ordinance 12560, Section 102,
136 as amended, and K.C.C. 16.12.140, Ordinance 12560,
137 Section 103, as amended, and K.C.C. 16.12.150, Ordinance
138 14914, Section 329, and K.C.C. 16.12.160, Ordinance 6746,
139 Section 3, and K.C.C. 16.32.010, Ordinance 6746, Section
140 4, and K.C.C. 16.32.020, Ordinance 6746, Section 6, as
141 amended, and K.C.C. 16.32.040, Ordinance 6746, Section
142 8, and K.C.C. 16.32.060, Ordinance 6746, Section 9, and
143 K.C.C. 16.32.070, Ordinance 6746, Section 11, and K.C.C.
144 16.32.090, Ordinance 6746, Section 12, as amended, and
145 K.C.C. 16.32.100, Ordinance 6746, Section 13, and K.C.C.
146 16.32.110, Ordinance 6746, Section 14, and K.C.C.
147 16.32.120, Ordinance 6746, Section 15, and K.C.C.
148 16.32.130, Ordinance 6746, Section 16, and K.C.C.
149 16.32.140, Ordinance 6746, Section 17, and K.C.C.
150 16.32.150, Ordinance 6746, Section 21, and K.C.C.
151 16.32.190, Ordinance 6746, Section 22, and K.C.C.
152 16.32.200, Ordinance 6746, Section 23, as amended, and
153 K.C.C. 16.32.210, Ordinance 6746, Section 26, and K.C.C.
154 16.32.240, Ordinance 6746, Section 27, and K.C.C.
155 16.32.250, Ordinance 6746, Section 30, and K.C.C.

156 16.32.280, Ordinance 6746, Section 31, as amended, and
157 K.C.C. 16.32.290, Ordinance 10589, Section 8, and K.C.C.
158 16.32.292, Ordinance 10589, Section 9, and K.C.C.
159 16.32.297, Ordinance 6746, Section 32, and K.C.C.
160 16.32.300, Ordinance 10589, Section 10, and K.C.C.
161 16.32.305, Ordinance 6746, Section 34, as amended, and
162 K.C.C. 16.32.320, Ordinance 10589, Section 13, and
163 K.C.C. 16.32.325, Ordinance 6746, Section 35, as
164 amended, and K.C.C. 16.32.330, Ordinance 6746, Section
165 36, and K.C.C. 16.32.340, Ordinance 6746, Section 37, and
166 K.C.C. 16.32.350, Ordinance 7136, Section 1, and K.C.C.
167 16.32.358, Ordinance 7136, Section 2, and K.C.C.
168 16.32.360, Ordinance 6746, Section 39, as amended, and
169 K.C.C. 16.32.370, Ordinance 6746, Section 40, and K.C.C.
170 16.32.380, Ordinance 6746, Section 41, and K.C.C.
171 16.32.390, Ordinance 6746, Section 42, as amended, and
172 K.C.C. 16.32.400, Ordinance 6746, Section 43, as
173 amended, and K.C.C. 16.32.410, Ordinance 10589, Section
174 18, and K.C.C. 16.32.420 and Ordinance 10589, Section
175 19, and K.C.C. 16.32.430.

176
177 SECTION 1. Ordinance 14111, Section 4, as amended, and K.C.C. 16.02.110 are
178 each hereby amended to read as follows:

179 **Adoption.** The International Building Code, ((2003)) 2006 Edition, with
180 Appendix C, E and M, ((as modified by Washington state, and I-2003 Edition)) as
181 amended in chapter 51-50 WAC, Appendix Z, as adopted by this Title, and the
182 International Residential Code for One- and Two Family Dwellings ((2003)) 2006
183 Edition, with Appendix F, G, H((,-J)) and K, ((2003)) 2006 Edition, as amended in
184 chapter 51-51 WAC, as published by or jointly with the International Code Council, Inc.,
185 together with amendments, additions and deletions adopted in this chapter by reference,
186 together with the State Building Code Act, chapter 19.27 RCW, and with King County
187 modifications that are adopted and codified in this chapter are adopted as the King
188 County building codes and may be cited as such and are referred to in this chapter as "this
189 code."

190 This code also may be further clarified and implemented with administrative rules
191 adopted in accordance with K.C.C. chapter 2.98.

192 SECTION 2. Ordinance 10608, Section 3, as amended, and K.C.C. 16.02.130 are
193 each hereby amended to read as follows:

194 **Modifications adopted.** Chapter 51-11 WAC, the Washington State Energy
195 Code, ((2003)) 2006 Edition, effective July 1, ((2004)) 2007, and chapter 51-13 WAC,
196 the Washington State Ventilation and Indoor Air Quality Code, ((2003)) 2006 Edition,
197 effective July 1, ((2004)) 2007, and the King County modifications to the 2003 editions
198 of the International Building Code, International Residential Code for One- and Two-
199 Family Dwellings, International Mechanical Code, International Property Maintenance
200 Code, and the Security Code are adopted as part of the code.

201 NEW SECTION. SECTION 3. There is hereby added to K.C.C. chapter 16.02 a
202 new section to read as follows:

203 **International Mechanical Code - Administration.** Chapter 1 of the
204 International Mechanical Code is not adopted and Chapter 1 of the International Building
205 Code as amended and supplemented in this chapter is substituted.

206 SECTION 4. Ordinance 14914, Section 9, and K.C.C. 16.02.150 are each hereby
207 amended to read as follows:

208 **General - Title.** Section 101.1 of the International Building Code is not adopted
209 and the following is substituted:

210 **Title (IBC 101.1).** These regulations shall be known as the Building Codes of
211 King County. These codes are the International Building Code (IBC), ~~((and))~~ the
212 International Residential Code for One- and Two-Family Dwellings (IRC) and the
213 International Mechanical Code (IMC).

214 NEW SECTION. SECTION 5. There is hereby added to K.C.C. chapter 16.02 a
215 new section to read as follows:

216 **General - Scope.** Section 101.2 of the International Building Code is not adopted
217 and the following is substituted:

218 **Scope (IBC 101.2).** The provisions of this code shall apply to the construction,
219 alteration, movement, enlargement, replacement, repair, equipment, use and occupancy,
220 location, maintenance, removal and demolition of every building or structure or any
221 appurtenances connected or attached to such buildings or structures.

222 **EXCEPTIONS:**

223 1. The provisions of the International Residential Code for One- and Two-Family
224 Dwellings shall apply to the construction, alteration, movement, enlargement,
225 replacement, repair, equipment, use and occupancy, location, removal and demolition of
226 detached one- and two-family dwellings and multiple single-family dwellings
227 (townhouses) not more than three stories in height with a separate means of egress and
228 their accessory structures, including adult family homes, foster family care homes and
229 family day care homes licensed by the Washington state department of social and health
230 services

231 2. The provisions of the International Residential Code for One- and Two-Family
232 Dwellings shall apply to detached residential accessory structures that are used for home
233 occupations and home industries that include offices, mercantile, food preparation for
234 off-site consumption, personal care salons and similar uses, if the home occupation or
235 home industry is subordinate to the primary residential use of the site and the total
236 cumulative floor area devoted to the home occupation or home industry in all detached
237 accessory structures on-site is less than or equal to 500 square feet (46.4m²).

238 3. The provisions of the International Mechanical Code shall regulate the design,
239 installation, maintenance, alteration and inspection of mechanical systems that are
240 permanently installed and utilized to provide control of the environmental conditions and
241 related processes within buildings. This code shall also regulate those mechanical
242 systems, system components, equipment and appliances specifically addressed herein.
243 The installation of fuel gas distribution piping and equipment, fuel gas-fired appliances
244 and fuel gas-fired appliance venting systems shall be regulated by the International Fuel
245 Gas Code.

246 SECTION 6. Ordinance 12560, Section 6, as amended, and K.C.C. 16.02.190 are
247 each hereby amended to read as follows:

248 **Duties and powers of building official - General.** Section 104.1 of the
249 International Building Code is not adopted and the following is substituted:

250 **General (IBC 104.1).** The building official is hereby authorized and directed to
251 enforce all the provisions of this code, with the exception of International Building Code
252 Section 2902.1 and Table 29-A IBC, the fuel gas piping requirements contained in the
253 International Fuel Gas Code and Chapter 24 of the International Residential Code. The
254 director of public health is authorized to enforce the provisions of Section 2902.1 and
255 Table 29-A chapter 51-50 WAC, the fuel gas piping requirements contained in the
256 International Fuel Gas Code and Chapter 24 of the International Residential Code. For
257 such purposes, the building official and the director of public health shall have the
258 powers of a law enforcement officer.

259 The building official shall have the power to render interpretations of this code
260 and to adopt and enforce rules and supplemental regulations in order to clarify the
261 application of its provisions. Such interpretations, rules and regulations shall be in
262 conformance with the intent and purpose of this code.

263 SECTION 7. Ordinance 12560, Section 10, as amended, and K.C.C. 16.02.240 are
264 each hereby amended to read as follows:

265 **Permits - Work exempt from permit.** Section 105.2 of the International
266 Building Code is not adopted and the following is substituted:

267 **Work exempt from permit (IBC 105.2).** A building permit shall not be required
268 for the following:

269 Building:

270 1. One-story detached one and two family residential accessory buildings used as
271 tool and storage sheds, playhouses, tree supported structures used for play and similar
272 uses, not including garages or other buildings used for vehicular storage, provided the
273 floor area does not exceed 200 square feet (11.15 m²) provided that the roof overhang
274 does not exceed twenty-four inches measured horizontally from the exterior wall.

275 2. Fences not over 6 feet (1.829 m) high.

276 3. Oil derricks.

277 4. Retaining walls which are not over 4 feet (1.219 m) in height measured from
278 the bottom of the footing to the top of the wall, unless supporting a surcharge or
279 impounding Class I, II or III-A liquids.

280 5. Water tanks supported directly upon grade if the capacity does not exceed
281 5,000 gallons (18,927 l) and the ratio of height to diameter or width does not exceed 2 to
282 1.

283 6. Platforms, sidewalks and driveways not more than 30 inches (.762 m) above
284 grade and not over any basement or story below and which are not part of an accessible
285 route.

286 7. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish
287 work.

288 8. Temporary motion picture, television and theater stage sets and scenery.

289 9. Prefabricated swimming pools accessory to a Group R, Division 3 Occupancy
290 as applicable in Section 101.2, which are less than 24 inches (610 mm) deep, do not
291 exceed 5,000 gallons (18,925 l) and are installed entirely above ground.

292 10. Shade cloth structures constructed for nursery or agricultural purposes and
293 not including service systems.

294 11. Swings and other playground equipment.

295 12. Window awnings supported by an exterior wall which do not project more
296 than 54 inches (1,372 mm) from the exterior wall and do not require additional support of
297 Group R3, as applicable in Section 101.2, and Group U Occupancies.

298 13. Moveable cases, counters and partitions not over 5 feet 9 inches (228.6 m)
299 high.

300 14. Re-roofing of existing buildings.

301 **EXCEPTION:** When replacement roofing adds more than 5 pounds per square
302 foot cumulative dead load to the weight of the original roofing a permit shall be required.

303 15. Submerged, freestanding mechanical boat lifts associated with single-family
304 residential piers and recreational watercraft not exceeding 25 feet in length or 15 feet in
305 width with no portion exceeding a height of 10 feet above the ordinary high water mark
306 as defined in K.C.C. 25.08.350.

307 16. Work located primarily in a public way, public utility towers and poles.

308 17. Mechanical equipment not specifically regulated in this code.

309 18. Hydraulic flood control structures.

310 19. Antenna and dishes that fall under FCC Antenna Rule 47 C.F.R including
311 masts under twelve feet above the roof line and dishes up to one meter in diameter.

312 Gas:

313 1. Portable heating appliance.

314 2. Replacement of any minor part that does not alter approval of equipment or
315 make such equipment unsafe.

316 Mechanical:

317 1. Portable heating appliance.

318 2. Portable ventilation appliances and equipment.

319 3. Portable cooling unit.

320 4. Steam, hot or chilled water piping within any heating or cooling equipment
321 regulated by this code.

322 5. Replacement of any part which does not alter its approval or make it unsafe.

323 6. Portable evaporative cooler.

324 7. Self-contained refrigeration system containing 10 pounds (4.54 kg) or less of
325 refrigerant and actuated by motors of one horsepower (746 W) or less.

326 8. Portable fuel cell appliances that are not connected to a fixed piping system
327 and are not interconnected to a power grid.

328 Unless otherwise exempted, separate plumbing, electrical and mechanical permits
329 will be required for the above-exempted items.

330 Exemption from the permit requirements of this code shall not be deemed to grant
331 authorization for any work to be done in any manner in violation of the provisions of this
332 code or any other laws or ordinances of this jurisdiction.

333 SECTION 8. Ordinance 12560, Section 18, as amended, and K.C.C. 16.02.290 are
334 each hereby amended to read as follows:

335 **Permits - Expiration.** Section 105.5 of the International Building Code is not
336 adopted and the following is substituted:

337 **Expiration (IBC 105.5).** Every permit issued by the building official under the
338 provisions of the Code shall expire by limitation and become null and void one year from
339 date of issue. Issued permits may be extended for one year periods subject to the
340 following conditions:

341 1. An application for a permit extension together with the applicable fee is
342 submitted to the department of development and environmental services at least seven
343 (7), but no more than sixty (60), calendar days prior to the date the original permit
344 becomes null and void. Once the permit extension application is submitted, work may
345 continue past the expiration date of the original permit, provided that the extension
346 application is not denied. If the extension application is denied, all work must stop until a
347 valid permit is obtained.

348 2. If construction of a building or structure has not substantially commenced, as
349 determined by the building official, within two years from the date of the first issued
350 permit and the building and the structure is no longer authorized by the zoning code or
351 other applicable law, then the permit shall not be extended.

352 3. An applicant may request a total of two permit extensions provided there are
353 no substantial changes in the approved plans and specifications.

354 4. The building official may extend a building permit beyond the second
355 extension only to allow completion of a building, ~~((and/or))~~ structure or mechanical
356 system authorized by the original permit and substantial constructed. If substantial work,
357 as determined by the building official, has not commenced on a building and/or structure
358 authorized in the original permit, then a new permit will be required for construction to
359 proceed.

360 5. The staff of the department of development and environmental services may
361 revise a permit at the permittee's request but such a revision does not constitute a renewal
362 or otherwise extend the life of the permit.

363 NEW SECTION. SECTION 9. There is hereby added to K.C.C. chapter 16.02 a
364 new section to read as follows:

365 **Construction documents - Submittal documents.** Section 106.1 of the
366 International Building Code is not adopted and the following is substituted:

367 **Submittal documents (IBC 106.1)** Construction documents, statement of special
368 inspections or structural observation programs and other data shall be submitted in one or
369 more sets with each permit application. The construction documents shall be prepared by
370 a registered design professional where required by the statutes of the jurisdiction in which
371 the project is to be constructed. Where special conditions exist, the building official is
372 authorized to require additional construction documents to be prepared by a registered
373 design professional.

374 SECTION 10. Ordinance 12560, Section 12, as amended, and K.C.C. 16.02.320
375 are each hereby amended to read as follows:

376 **Construction documents - Information on construction documents.** Section
377 106.1.1 of the International Building Code is not adopted and the following is substituted:

378 **Information on construction documents (IBC 106.1.1).** Plans and
379 specifications shall be drawn to scale upon substantial paper and shall be of sufficient
380 clarity to indicate the location, nature and extent of the work proposed and show in detail
381 that it will conform to the provisions of this code and all relevant laws, ordinances, rules
382 and regulations. Electronic media documents are permitted to be submitted when

383 approved by the building official. Schedule and detail books shall not be used as a
384 substitute for full size plans. Information in Sections 106.1.1, 106.1.2 and 106.3 shall be
385 provided as deemed necessary by the building official.

386 Plans for buildings more than two stories in height of other than Group R,
387 Division 3 and Group U Occupancies or structures built under the International
388 Residential Code shall indicate how required structural and fire-resistive integrity will be
389 maintained where penetrations will be made for electrical, mechanical, plumbing and
390 communications conduits, pipes and similar systems.

391 SECTION 11. Ordinance 12560, Section 25, as amended, and K.C.C. 16.02.400
392 are each hereby amended to read as follows:

393 **Fees.** Section 108 and all subsections thereto of the International Building Code
394 are not adopted and the following is substituted:

395 **Fees (IBC 108).** Fees shall be assessed according to K.C.C. Title 27. For the
396 purposes of K.C.C. Title 27 the nationally recognized standard shall be Rate Table 1-A as
397 published by ICBO in the 1997 Uniform Building Code and is reprinted here:

TOTAL VALUATION	FEE
\$1.00 to \$500.00	\$23.50
\$501.00 to \$2,000.00	\$23.50 for the first \$500.00 plus \$3.05 for each additional \$100.00, or fraction thereof, to and including \$2,000.00
\$2,001.00 to \$25,000.00	\$69.25 for the first \$2,000.00 plus \$14.00 for each additional \$1,000.00, or fraction thereof, to and including \$25,000.00

\$25,001.00 to \$50,000.00	\$391.75 for the first \$25,000.00 plus \$10.10 for each additional \$1,000.00, or fraction thereof, to and including \$50,000.00
\$50,001.00 to \$100,000.00	(\$993.75) <u>\$643.75</u> for the first \$50,000.00 plus (\$5.60) <u>\$7.00</u> for each additional \$1,000.00, or fraction thereof, to and including \$100,000.00
\$100,001.00 to \$500,000.00	(\$1,093.13) <u>\$993.75</u> for the first \$100,000.00 plus (\$6.16) <u>\$5.60</u> for each additional \$1,000.00, or fraction thereof, to and including \$500,000.00
\$500,001.00 to \$1,000,000.00	\$3,233.75 for the first \$500,000.00 plus \$4.75 for each additional \$1,000.00, or fraction thereof, to and including \$1,000,000.00
\$1,000,001.00 and up	\$5,608.75 for the first \$1,000,000.00 plus \$3.65 for each additional \$1,000.00, or fraction

398 SECTION 12. Ordinance 12560, Section 34, as amended, and K.C.C. 16.02.510

399 are each hereby amended to read as follows:

400 **Temporary certificate issued - Temporary certificate of occupancy.** Section
 401 110.3 of the International Building Code is supplemented with the following:

402 **Temporary certificate of occupancy (110.3.1).** The building official may issue
 403 a temporary certificate of occupancy authorizing occupancy of all or part of an unfinished
 404 building or structure or a temporary structure if:

405 1. The building official determines that construction is substantially completed in
406 the area to be occupied and that essential health, ~~((and))~~ safety and environmental items
407 have been adequately constructed or installed in compliance with the codes;

408 2. ~~((The applicant for the temporary certificate of occupancy, on a form~~
409 ~~satisfactory to the building official,~~

410 ~~2.1 Agrees not to make a claim or bring an action against King County for any~~
411 ~~harms, injuries or damage he, she or others may suffer as a result of occupancy of the~~
412 ~~unfinished building, and~~

413 ~~2.2 Agrees to hold King County free and harmless from any claims or legal~~
414 ~~actions which may be brought by any person or entity as a result of the occupancy of the~~
415 ~~unfinished building, and~~

416 3. ~~For buildings and structures other than those of Group R Division 3~~
417 ~~Occupancy, the applicant shall deposit cash or its equivalent with the building official, in~~
418 ~~an approved record as follows:~~

419 ~~3.1 The amount of the cash bond required to occupy a new structure prior to the~~
420 ~~issuance of the temporary certificate of occupancy shall be determined by the building~~
421 ~~official. The amount of the cash bond required to occupy a temporarily occupied~~
422 ~~structure for a specified period of time shall be an amount determined by the building~~
423 ~~official to ensure removal of the structure. In either case, the cash bond will be refunded~~
424 ~~to the permittee upon completion of work or the satisfactory removal of the temporary~~
425 ~~structure.~~

426 ~~3.2 In the event the construction work or removal of the temporarily occupied~~
427 ~~structure is not completed or material progress has not been made within twelve (12)~~

428 months following the posting of the cash deposit, the amount remaining on deposit may
429 be applied toward completion of applicable code requirements or for the removal of the
430 temporary structure by the building official. Any such action by the building official
431 shall first require thirty (30) days written notice to the permittee.

432 3.3)) The temporary certificate of occupancy shall contain the same information
433 as a certificate of occupancy along with a list of requirements that remain to be
434 completed, special conditions of temporary occupancy, and dates of temporary
435 occupancy approval and expiration. The temporary certificate of occupancy shall be
436 valid only so long as determined by the building official, and only so long as the
437 occupants of the building or structure strictly abide by the conditions and limitations
438 specified in the temporary certificate of occupancy, and only so long as applicable
439 permits are validly maintained or renewed.

440 SECTION 13. Ordinance 12560, Section 35, as amended, and K.C.C. 16.02.520
441 are each hereby amended to read as follows:

442 **Temporary certificate issued - Temporary certificate of shell completion.**

443 Section 110.3. of the International Building Code supplemented with the following:

444 **Temporary certificate of shell completion (IBC 110.3.2).** The building official
445 may issue a temporary certificate of shell completion authorizing occupancy for all or
446 part of an unfinished building or structure or a temporary structure if:

- 447 1. The building official determines that construction is substantially completed
448 and that essential health, ((and)) safety and environmental items have been adequately
449 constructed or installed in compliance with the codes;

450 2. ~~((The applicant for the temporary certificate of shell completion, on a form~~
451 ~~satisfactory to the building official,~~

452 ~~2.1 Agrees not to make a claim or bring an action against King County for any~~
453 ~~harms, injuries or damage he, she or others may suffer as a result of occupancy of the~~
454 ~~unfinished building, and~~

455 ~~2.2 Agrees to hold King County free and harmless from any claims or legal~~
456 ~~actions which may be brought by any person or entity as a result of the occupancy of the~~
457 ~~unfinished building, and~~

458 ~~3. For buildings and structures other than those of Group R-Division 3~~
459 ~~Occupancy, the applicant shall deposit cash or its equivalent with the building official, in~~
460 ~~an approved escrow. The amount of the cash bond required before issuance of the~~
461 ~~temporary certificate of shell completion shall be determined by the building official.~~

462 4.)) The temporary certificate of shell completion shall contain the same
463 information as the certificate of shell completion along with a list of requirements that
464 remain to be completed, special conditions of temporary shell approval, and the dates of
465 temporary shell approval and expiration. The temporary certificate of shell completion
466 shall be valid only so long as those responsible for the building and structure strictly
467 abide by the conditions and limitations specified in the temporary certificate of shell
468 completion, and only so long as applicable permits are validly maintained or renewed.

469 SECTION 14. Ordinance 12560, Section 9, as amended, and K.C.C. 16.02.560 are
470 each hereby amended to read as follows:

471 **Board of appeals - General.** Section 112.1 of the International Building Code is
472 not adopted and the following is substituted:

473 **General (IBC 112.1).** In order to hear and discuss appeals of decisions or
474 determinations made by the building official on this code as it applies to alternative
475 materials and methods of construction, there shall be and is hereby created a building
476 code board of appeals. The board shall consist of nine members who are qualified by
477 experience and training to pass upon matters pertaining to building construction. The
478 building official shall be an ex-officio member and he/she, or a designated appointee,
479 shall act as secretary of the board. The board of appeals members shall be appointed by
480 the county executive, confirmed by the county council, and shall serve ~~((for not more~~
481 ~~than two))~~ four-year terms or until their successor is appointed and ~~((qualified))~~
482 confirmed. The board shall adopt reasonable rules of procedure for conducting its
483 business, and shall render all decisions and findings in writing to the appellant with a
484 duplicate copy to the building official, which shall be advisory unless otherwise specified
485 in this code. The board may also recommend to the council new legislation regarding the
486 subject matter of this code.

487 SECTION 15. Ordinance 14914, Section 82, and K.C.C. 16.02.580 are each
488 hereby amended to read as follows:

489 **Violations – Notice of violation.** Section 113.2 of the International Building
490 Code is not adopted and the following is substituted:

491 **Notice of violation (IBC 113.2).** The building official is authorized to serve a
492 notice of violation or order on the person responsible for the erection, construction,
493 alteration, extension, repair, moving, equipping, removal, demolition or occupancy of a
494 building, ~~((or))~~ structure or equipment or maintaining mechanical systems or equipment
495 in violation of the provisions of the code, or in violation of a permit or certificate issued

496 under the provisions of this code. Such order shall direct the discontinuance of the illegal
497 action or condition and the abatement of the violation in accordance with K.C.C. Title 23.

498 SECTION 16. Ordinance 3647, Section 3, as amended, and K.C.C. 16.03.040 are
499 each hereby amended to read as follows:

500 **Term amendments.** Whenever the following words appear in the code, they are
501 to be changed as follows:

502 A. Building official or code official to director, department of development and
503 environmental services;

504 B. Name of jurisdiction to unincorporated King County;

505 C. The department of building and safety to King County department of
506 development and environmental services;

507 D. Design flood elevation to base flood elevation;

508 E. Mobile home to manufactured home.

509 SECTION 17. Ordinance 12560, Section 41, as amended, and K.C.C. 16.04.210
510 are each hereby amended to read as follows:

511 **High-rise buildings - Scope.** Section 403.1 of the International Building Code is
512 not adopted and the following is substituted:

513 **Scope (IBC 403.1).** This section applies to ~~((all Group B office))~~ buildings ~~((and~~
514 ~~Group R, Division 1 Occupancies, each having floors used for human occupancy~~
515 ~~located))~~ with an occupied floor more than 65 feet (19.812m) above the lowest level of
516 fire department vehicle access. ~~((Such buildings shall be of Type I or II A construction~~
517 ~~and shall be provided with an approved automatic sprinkler system in accordance with~~
518 ~~Section 403.2.))~~

519 EXCEPTIONS: This section does not apply to the following buildings and
520 structures:

- 521 1. Airport traffic control towers in accordance with Section 412;
522 2. Open parking garages in accordance with Section 406.3;
523 3. Buildings with an occupancy in Group A-5 in accordance with Section 303.1;
524 4. Low-hazard special industrial occupancies in accordance with Section 503.1.1;

525 and

- 526 5. Buildings with an occupancy in Group H-1, H-2 or H-3 in accordance with
527 Section 415.

528 SECTION 18. Ordinance 14914, Section 133, and K.C.C. 16.04.260 are each
529 hereby amended to read as follows:

530 **General height and area limitations – General – Portable classrooms – Fire**
531 **hydrants and access.** Section 503.1 of the International Building Code is supplemented
532 with the following:

533 **Portable classrooms – Fire hydrants and access (IBC ((503.1.5)) 503.1.4).** The
534 location of portable classrooms on a site with existing buildings shall be approved by the
535 Fire Protection Engineering Section with respect to hydrant locations, access roads and
536 available water for fire fighting purposes.

537 SECTION 19. Ordinance 12560, Section 44, as amended, and K.C.C. 16.04.270
538 are each hereby amended to read as follows:

539 **General height and area limitations - General - Portable classrooms -**
540 **Location.** Section 503.1 of the International Building Code is supplemented with the
541 following:

542 **Portable classrooms - Location (IBC ((503.1.6)) 503.1.5).** Portable classrooms
543 located within 60 feet of any permanent buildings shall be located with a minimum clear
544 space of 20 feet from any other portable classrooms and from the permanent buildings.

545 **EXCEPTIONS:**

546 1. Portable classrooms located in close proximity to each other and more than 60
547 feet from permanent buildings, may be considered as portions of one building with no
548 minimum clearance or protection between them. The aggregate area of a cluster of
549 portable classrooms considered as one building must meet the area limits specified in
550 Section 503.

551 2. Portable classrooms located more than 20 feet from main buildings with
552 exterior wall protection ((which)) that is continuous through the crawlspace or skirted
553 area may be located as follows:

554 2.1. When either of two portables has exterior wall protection rated for not less
555 than one hour, with no openings or openings that comply with the area limits of Section
556 704.8, the minimum clear space shall be 10 feet from any other portable.

557 2.2. When both of two portables have exterior wall protection rated for not less
558 than one hour with no openings, the minimum clear space shall be 5 feet from any other
559 portable.

560 3. Portable classrooms may be placed within 60 feet of any building provided
561 that ((both)) the buildings comply with area limitations in Section 503 as may be
562 modified by Section 506. Calculations substantiating compliance of existing and
563 proposed buildings with Section 503 as modified by Section 506 will be required as part
564 of the permit application documents.

565 SECTION 20. Ordinance 14111, Section 43, as amended, and K.C.C. 16.04.280
566 are each hereby amended to read as follows:

567 **Special provisions - Group S-2 enclosed or open parking garage with Group**
568 **A, B((~~3~~)), M₂ ((~~or~~)) R or S above.** Section 508.2 of the International Building Code is
569 not adopted and the following is substituted:

570 **Group S-2 enclosed or open parking garage with Group A, B((~~3~~)), M₂ ((~~or~~)) R**
571 **or S above (IBC ((~~508.2~~)) 509.2).** A basement or first story above grade plane of a
572 building shall be considered as a separate and distinct building for the purpose of
573 determining area limitations, continuity of fire walls, limitation of number of stories and
574 type of construction, when all of the following conditions are met:

575 1. The buildings are separated with a horizontal assembly having a minimum 3-
576 hour fire-resistance rating.

577 2. The building below the horizontal assembly is no more than one story above
578 grade plane.

579 3. The ((~~basement or first story above grade plane~~)) building below the horizontal
580 assembly is of Type IA construction ((~~and is separated from the building above with a~~
581 horizontal assembly having a minimum three-hour fire resistance rating)).

582 ((~~2-~~)) 4. Shaft, stairway, ramp ((~~or~~)) and escalator enclosures through the
583 horizontal assembly shall have not less than a two-hour fire-resistance rating with
584 opening protectives in accordance with Table ((~~715.3~~)) 715.4.

585 **EXCEPTIONS:** Where the enclosure walls below the horizontal assembly have
586 not less than a three-hour fire-resistance rating with opening protectives in accordance

587 with Table ~~((715.3))~~ 715.4, the enclosure walls extending above the horizontal assembly
588 shall be permitted to have a one-hour fire-resistance rating if:

589 1. The building above the horizontal assembly is not required to be of Type 1
590 construction;

591 2. The enclosure connects less than four stories~~((5))~~; and

592 3. The enclosure opening protectives above the horizontal assembly have a
593 minimum one-hour fire-protection rating.

594 ~~((3-))~~ 5. The building above the horizontal assembly ~~((contains only))~~ shall be
595 permitted to have multiple Group A ~~((having an assembly room))~~ uses each, with an
596 occupant load of less than 300~~((5))~~, or Group B~~((5))~~, M₁ ~~((or))~~ R or S uses; and

597 ~~((4-))~~ 6. The building below the horizontal assembly is a Group S-2 enclosed or
598 open parking garage, used for the parking and storage of private motor vehicles.

599 **EXCEPTIONS:**

600 1. Entry lobbies, mechanical rooms and similar uses incidental to the operation
601 of the building shall be permitted.

602 2. Multiple Group A ~~((having assembly room))~~ uses each with an occupant load
603 of less than 300, or Group B or M uses shall be permitted in addition to those uses
604 incidental to the operation of the building (including storage areas), provided that the
605 entire structure below the horizontal assembly is protected throughout by an approved
606 automatic sprinkler system.

607 ~~((5-))~~ 7. The maximum building height in feet shall not exceed the limits set forth
608 in ~~((Table))~~ Section 503 for the ~~((least restrictive type of construction involved))~~ building
609 having the smaller allowable height as measured from grade plane.

610 ~~((6-))~~ 8. The building above the horizontal assembly shall be considered at least a
611 four (4) story building when any floor level containing sleeping rooms have emergency
612 escape or rescue windows beyond the reach of a thirty-five (35) foot fire department
613 ladder.

614 ~~((6-1))~~ 8.1. The emergency escape or rescue window is beyond the reach of the
615 thirty-five (35 feet) ladder, when the window sill height is located more than 31 1/2 feet
616 above the adjoining grade level. Adjoining grade level will be measured from a point at
617 grade, located along a vertical plane perpendicular to and intersecting with the window
618 sill, and ten (10) feet horizontal from the exterior wall of the building.

619 NEW SECTION. SECTION 21. There is hereby added to K.C.C. chapter 16.04
620 a new section to read as follows:

621 **Automatic sprinkler systems – Group E.** Section 903.2.2 of the International
622 Building Code is not adopted and the following is substituted:

623 **Automatic sprinkler systems – Group E (IBC 903.2.2).** An automatic sprinkler
624 system shall be provided for Group E occupancies.

625 **EXCEPTIONS:**

626 1. Portable school classrooms, provided the aggregate area of any cluster or
627 portion of a cluster of portable school classrooms does not exceed 5,000 square feet
628 (1465m²) and clusters of portable school classrooms shall be separated as required in
629 Chapter 5 of the building code.

630 2. Group E Occupancies with an occupant load of 50 or less, not including
631 daycare facilities that provide care for more than 12 children 2 1/2 years of age or less.

632 NEW SECTION. SECTION 22. There is hereby added to K.C.C. chapter 16.04
633 a new section to read as follows:

634 **Fire alarm and detection systems – Group E.** Section 907.2.3 of the
635 International Building Code is not adopted and the following is substituted:

636 **Fire alarm and detection systems – Group E (IFC 907.2.3).** A manual fire
637 alarm system shall be installed in Group E occupancies. When automatic sprinkler
638 systems or smoke detectors are installed, such systems or detectors shall be connected to
639 the building fire alarm system.

640 **EXCEPTIONS:**

641 1. Group E occupancies providing infant daycare for children 2 1/2 years or less
642 of age for 12 or fewer and all other Group E occupancies with an occupant load of less
643 than 50.

644 2. Manual fire alarm boxes are not required in Group E occupancies where all of
645 the following apply:

646 2.1. Interior corridors are protected by smoke detectors with alarm verification.

647 2.2. Auditoriums, cafeterias, gymnasiums and the like are protected by heat
648 detectors or other approved detection devices.

649 2.3. Shops and laboratories involving dusts or vapors are protected by heat
650 detectors or other approved detection devices.

651 2.4. Off-premises monitoring is provided.

652 2.5. The capability to activate the evacuation signal from a central point is
653 provided.

654 2.6. In buildings where normally occupied spaces are provided with a two-way
655 communication system between such spaces and a constantly attended receiving station
656 from where a general evacuation alarm can be sounded, except in locations specifically
657 designated by the fire code official.

658 3. Manual fire alarm boxes shall not be required in Group E occupancies where
659 the building is equipped throughout with an approved automatic sprinkler system, the
660 notification appliances will activate on sprinkler water flow and manual activation is
661 provided from a normally occupied location.

662 NEW SECTION. SECTION 23. There is hereby added to K.C.C. chapter 16.04
663 a new section to read as follows:

664 **Doors, gates and turnstiles – Doors.** Section 1008.1.3 of the International
665 Building Code is not adopted and following is substituted:

666 **Special Doors (IBC1008.1.3)** Special doors and security grilles shall comply with
667 the requirements of sections 1008.1.3.1 through 1008.1.3.6.

668 NEW SECTION. SECTION 24. There is hereby added to K.C.C. chapter 16.04
669 a new section to read as follows:

670 **Doors, gates and turnstiles – Doors.** Section 1008.1.3 of the International
671 Building Code is supplemented with the following:

672 **Mini-storage facility storage room doors (IBC 1008.1.3.6).** The access doors
673 to storage rooms in mini-storage facilities shall meet the provisions of 1008.1.2 and
674 1008.1.8.

675 **EXCEPTION:** If the storage room has less than 300 square feet of floor area, the
676 access doors are not required to meet the provisions of 1008.1.2 and 1008.1.8 under the
677 following circumstances:

678 1. If the facility has any storage room with 300 square feet or less of floor area, at
679 least one storage room shall comply with 1008.1.2 and 1008.1.8; and

680 2. For every 10 storage rooms with 300 square feet or less of floor area, the
681 facility has at least one additional storage room with a door that complies with 1008.1.2
682 and 1008.1.8.

683 NEW SECTION. SECTION 25. There is hereby added to K.C.C. chapter 16.04
684 a new section to read as follows:

685 **Stairways.** Section 1009.1 of the International Building Code is supplemented
686 with:

687 **Stairways to mechanical rooms (IBC 1009.12)** Platforms and rooms, used only
688 to attend equipment, that are less than 300 square feet in area or have less than 5'
689 headroom are exempted from the requirement of sections 1009.1 to 1009.11.

690 SECTION 26. Ordinance 14111, Section 58, as amended, and K.C.C. 16.04.350
691 are each hereby amended to read as follows:

692 **Vertical exit enclosures - smokeproof enclosure.** Section (~~(1019.1.8)~~) 1020.1.7
693 of the International Building Code is not adopted and following is substituted:

694 **Smokeproof enclosures (IBC (~~(1019.1.8)~~) 1020.1.7).** In buildings required to
695 comply with section 403 or 405, each of the exits of a building that serves stories where
696 the floor surface is located more than 65 feet (19.812 m) above the lowest level of fire
697 department vehicle access or more than 30 feet (9,144 mm) below the level of exit

698 discharge serving such floor levels shall be a smokeproof enclosure or pressurized
699 stairway in accordance with Section 909.20.

700 SECTION 27. Ordinance 14914, Section 156, and K.C.C. 16.04.370 are each
701 hereby amended to read as follows:

702 **Sound transmission – Sea-Tac sound reduction standards.** Section 1207 of
703 the International Building Code is supplemented with the following:

704 **Sea-Tac sound reduction standards (IBC 1207.4).** All buildings or structures
705 constructed or placed in use for human occupancy on sites in the vicinity of Sea-Tac
706 International Airport which have been included within or enclosed by the Port of Seattle
707 Noise Remedy Program boundaries shall comply with the provisions in supplemental
708 Appendix ~~((K))~~ Z as adopted by King County.

709 SECTION 28. Ordinance 14914, Section 157, and K.C.C. 16.04.380 are each
710 hereby amended to read as follows:

711 **Performance requirements – Flood resistance.** Section ~~((1403.6))~~ 1403.5 of
712 the International Building Code is not adopted and the following is substituted:

713 **Performance requirements – Flood resistance (IBC ~~((1403.6))~~ 1403.5).** For
714 buildings in flood hazard areas as established in K.C.C. chapter 21A.24, exterior walls
715 extending below the base flood elevation shall comply with K.C.C. chapter 21A.24.

716 SECTION 29. Ordinance 14914, Section 158, and K.C.C. 16.04.390 are each
717 hereby amended to read as follows:

718 **Performance requirements – Flood resistance for high-velocity wave action**
719 **areas.** Section ~~((1403.7))~~ 1403.6 of the International Building Code is not adopted.

720 SECTION 30. Ordinance 12560, Section 50, as amended, and K.C.C. 16.04.410
721 are each hereby amended to read as follows:

722 **Snow loads.** Section 1608 of the International Building Code is not adopted and
723 the following is substituted:

724 **Snow loads (IBC 1608).** ~~((The "Snow Load Analysis for Washington" Second~~
725 ~~Edition (1995), published by the Structural Engineers Association of Washington shall be~~
726 ~~used in determining snow load except where the department determines by public rule~~
727 ~~that a different standard is necessary to protect the public health and safety.))~~ Snow loads
728 shall be determined in accordance with King County Rule "Structural Loading: Minimum
729 Roof Snow Loads". The minimum roof design ~~((S))~~ snow ~~((L))~~ load shall be 25 pounds
730 per square feet.

731 NEW SECTION. SECTION 31. There is hereby added to K.C.C. chapter 16.04
732 a new section to read as follows:

733 **Footings and foundation - Foundations walls.** Section 1805.5 of the
734 International Building Code is not adopted and the following is substituted:

735 **Foundation walls (IBC 1805.5).** Concrete and masonry foundation walls shall
736 be designed in accordance with Chapter 19 or 21, respectively. Foundation walls that are
737 laterally supported at the top and bottom and within the parameters of Tables 1805.5(1)
738 through 1805.5(6) are permitted to be designed and constructed in accordance with
739 Sections 1805.5.1 through 1805.5.5.

740 SECTION 32. Ordinance 14914, Section 167, and K.C.C. 16.04.470 are each
741 hereby amended to read as follows:

742 **Footings and foundation – foundation walls - Table ((1805.5(5))) 1805.5(6)**
 743 **Seismic Zone D - Concrete ((and Masonry²)) Foundation Walls^{1,2,3,4,5,12} For Single**
 744 **Family And Duplex Residences.** Section 1805.5 of the International Building Code is
 745 supplemented by the following table:

746 **Table ((1805.5(5))) 1805.5(6) Seismic Zone D - Concrete ((and Masonry⁴))**
 747 **Foundation Walls^{1,2,3,4,5,12} For Single Family And Duplex Residences.** Table
 748 **((1805.5(5))) 1805.5(6) Foundation wall reinforcement requirements for Single Family**
 749 **and Duplex Residential Occupancies and Private Garage occupancies only^{((8,9)) 12}**

Minimum Wall Thickness	Maximum Wall Height (ft.) ⁵	Maximum Unbalanced Backfill (ft.) ^{1,2}	Minimum Vertical Reinforcement ((³)) ⁶	Minimum Horizontal Reinforcement ⁶	Anchor Bolt Spacing ¹⁰		Wall top support ¹¹
					1/2"	5/8"	
<u>6"</u>	<u>4'6"</u>	<u>3'</u>	<u>#4 @ 48"</u> <u>O.C.</u>	<u>#4 @ 48"</u> <u>O.C.⁷</u>	<u>72"</u>	<u>72"</u>	<u>A</u>
6"	4' 6"	4'	#4 @ 48" O.C.	((---)) #4 @ 48" <u>48" O.C.⁷</u>	<u>42"</u>	<u>53"</u>	<u>A</u>
<u>8"</u>	<u>8'</u>	<u>4'</u>	<u>#4 @ 48"</u> <u>O.C.</u>	<u>#4 @ 48"</u> <u>O.C.⁷</u>	<u>72"</u>	<u>72"</u>	<u>A</u>
<u>8"</u>	<u>9'</u>	<u>4'</u>	<u>#4 @ 48"</u> <u>O.C.</u>	<u>#4 @ 36"</u> <u>O.C.⁸</u>	<u>72"</u>	<u>72"</u>	<u>A</u>
8"	9'	5'	#4 @ ((48")) <u>36" O.C.⁹</u>	#4 @ ((48")) <u>36" O.C.⁸</u>	<u>42"</u>	<u>48"</u>	<u>B</u>
8"	9'	((8')) <u>6'</u>	#4 @ ((16"))	#4 @ ((48"))	<u>24"</u>	<u>30"</u>	<u>B</u>

			<u>20" O.C.</u> ⁽⁷⁾ ⁹	<u>36" O.C.</u> ⁸			
8"	9'	((9')) <u>7'</u>	#4 @ ((12")) <u>16" O.C.</u> ⁽⁷⁾ ⁹	#4 @ ((48")) <u>36" O.C.</u> ⁸	<u>16"</u>	<u>20"</u>	<u>C</u>
8"	9'	((9')) <u>8'</u>	#4 @ 12" O.C. ⁽⁷⁾ ⁹	#4 @ ((48")) <u>36" O.C.</u> ⁸	<u>10"</u>	<u>12"</u>	<u>C</u>

750

Footnotes:

751

1. A design in accordance with accepted engineering practice shall be provided

752

when any of the following exist:

753

a. Walls are subject to hydrostatic pressure from groundwater.

754

b. Walls supporting more than 48" of unbalanced backfill that do not have

755

permanent lateral support at the top and bottom. Unbalanced backfill height is the

756

difference in height of the exterior and interior finish ground levels.

757

2. The floor diaphragm shall be completed before backfilling or the foundation

758

wall sufficiently braced to prevent damage by the backfill.

759

3. This table is designed for use in the following soil classes in accordance with

760

the United Soil Classification system: GW, GP, SW, SP and GM (40 pcf active soil

761

pressure.) Refer to Tables R405.1 and 1610.1.

762

4. This table is not intended to prevent temperature and shrinkage cracks.

763

Reinforcing steel shall be placed on tension side of the wall and provided not less than 3/4

764

inch cover from the face of the wall. In concrete cast against earth reinforcing shall be

765

placed a minimum of 3 inches from the soil.

766

~~((4. Mortar shall be type M or S and masonry shall be laid in running bond.))~~

767 5. Wall height is measured as the vertical distance from the top of the wall to the
768 top of the footing.

769 6. Reinforcing steel used in this table is based on the use of reinforcement with a
770 minimum yield strength of 40,000 psi.

771 7. All foundations shall include ~~((2))~~ (1) #4 rebar at the top of the wall and (2)
772 #4 in the bottom of the footing, continuous horizontal reinforcing.

773 8. Foundations with over 4 feet of unbalanced fill or with walls over 8 feet in
774 height shall include at least (1) #4 rebar in the top 12" of the wall and (2) #4 rebar in the
775 bottom of the footing, continuous horizontal reinforcing.

776 ~~((7.))~~ 9. The distance from the face of the soil side of the wall to the center of
777 vertical reinforcement shall be at least 5 inches in an 8-inch wall.

778 ~~((8.))~~ 10. When braced wall panels are supported directly on continuous
779 foundations, the wall sill plate shall be anchored to the foundation as follows: The wood
780 sole plate and wood sill plate shall be anchored to the foundation with anchor bolts
781 spaced a maximum of 6 feet (1829 mm) on center ~~((where the height of the unbalanced~~
782 ~~fill does not exceed 5 feet. The anchor bolts shall be spaced a maximum of 2 feet on~~
783 ~~center where the height of the unbalanced backfill exceeds 5 feet)).~~ There shall be a
784 minimum of two bolts per plate section. Bolts shall be at least 1/2 inch (12.7 mm) in
785 diameter and shall extend a minimum of 7 inches (178 mm) into ~~((masonry or))~~ concrete.
786 A nut and ~~((3/16" x 2" x 2"))~~ 0.229" x 3" x 3" washer shall be tightened on each bolt to
787 the plate (Section 2308.3 IBC; R403.1.6 International Residential Code.)

788 11. Prescriptive Support Requirements:

<u>Type</u>	<u>Joist/blocking Attachment Requirement</u>
<u>A.</u>	<u>3 8d per joist per Table R602.3(1)</u>
<u>B.</u>	<u>1 20 gage angle clip each joist with 5 8d per leg.</u>
<u>C.</u>	<u>1 1/4 inch thick steel angle. Horizontal leg attached to sill bolt adjacent to joist/blocking, vertical leg attached to joist/blocking with 1/2 inch minimum diameter bolt and a framing anchor that will resist a reaction of 380 pounds.</u>

789 ~~((9.))~~ 12. The provisions of this table may be applied to Group R-3 and Group U
790 occupancies, and townhouses as defined in Section 202 International Residential Code.

791 NEW SECTION. SECTION 33. There is hereby added to K.C.C. chapter 16.04
792 a new section to read as follows:

793 **Footings and foundations – foundation walls – Thickness based on soil loads,**
794 **unbalanced backfill height and wall height.** Section 1805.5.1.2 of the International
795 Building Code is not adopted and the following is substituted:

796 **Thickness based on soil loads, unbalanced backfill height and wall height**
797 **(IBC 1805.5.1.2).** The thickness of foundation walls shall comply with the requirements
798 of Table 1805.5(5) or Table 1805.5(6) for concrete walls, Table 1805.5(1) for plain
799 masonry walls or Table 1805.5(2), 1805.5(3) or 1805.5(4) for masonry walls with

800 reinforcement. When using the tables, masonry shall be laid in running bond and the
801 mortar shall be Type M or S.

802 Unbalanced backfill height is the difference in height between the exterior finish
803 ground level and the lower of the top of the concrete footing that supports the foundation
804 wall or the interior finish ground level. Where an interior concrete slab on grade is
805 provided and is in contact with the interior surface of the foundation wall, the unbalanced
806 backfill height is permitted to be measured from the exterior finish ground level to the top
807 of the interior concrete slab.

808 NEW SECTION. SECTION 34. There is hereby added to K.C.C. chapter 16.04
809 a new section to read as follows:

810 **Footings and foundations – foundation walls – foundation wall materials.**

811 Section 1805.5.2 of the International Building Code is not adopted and the following is
812 substituted:

813 **Foundation wall materials (IBC 1805.5.2).** Concrete foundation walls
814 constructed in accordance with Table 1805.5(5) or Table 1805.5(6) shall comply with
815 Section 1805.5.2.1. Masonry foundation walls constructed in accordance with Table
816 1805.5(1), 1805.5(2), 1805.5(3) or 1805.5(4) shall comply with Section 1805.5.2.2.

817 NEW SECTION. SECTION 35. There is hereby added to K.C.C. chapter 16.04
818 a new section to read as follows:

819 **Footings and foundations – foundation walls –concrete foundation walls.**

820 Section 1805.5.2.1 of the International Building Code is not adopted and the following is
821 substituted:

822 **Concrete foundation walls (IBC 1805.5.2.1).** Concrete foundation walls shall
823 comply with the following:

824 1. The size and spacing of vertical reinforcement shown in Table 1805.5(5) is
825 based on the use of reinforcement with a minimum yield strength of 60,000 psi (414
826 MPa). Vertical reinforcement with a minimum yield strength of 40,000 psi (276 MPa) or
827 50,000 psi (345 MPa) is permitted, provided the same size bar is used and the spacing
828 shown in the table is reduced by multiplying the spacing by 0.67 or 0.83, respectively.
829 The size and spacing of vertical reinforcement shown in Table 1805.5.(6) is based on the
830 use of reinforcement with a minimum yield strength of 40,000 psi (276MPa).

831 2. Vertical reinforcement, when required, shall be placed nearest the inside face
832 of the wall a distance, d , from the outside face (soil side) of the wall. The distance, d , is
833 equal to the wall thickness, t , minus 1.25 inches (32 mm) plus one-half the bar diameter,
834 d_b [$d = t - (1.25 + d_b/2)$]. The reinforcement shall be placed within a tolerance of $\pm 3/8$
835 inch (9.5 mm) where d is less than or equal to 8 inches (203 mm) or $\pm 1/2$ inch (2.7 mm)
836 where d is greater than 8 inches (203 mm).

837 3. In lieu of the reinforcement shown in Table 1805.5(5), smaller reinforcing bar
838 sizes with closer spacings that provide an equivalent cross-sectional area of
839 reinforcement per unit length of wall are permitted.

840 4. Concrete cover for reinforcement measured from the inside face of the wall
841 shall not be less than 3/4 inch (19.1 mm). Concrete cover for reinforcement measured
842 from the outside face of the wall shall not be less than 1.5 inches (38 mm) for No. 5 bars
843 and smaller and not less than 2 inches (51 mm) for larger bars.

844 5. Concrete shall have a specified compressive strength, f_c , of not less than
845 2,500 psi (17.2 MPa) at 28 days.

846 6. The unfactored axial load per linear foot of wall shall not exceed $1.2tf_c$,
847 where t is the specified wall thickness in inches.

848 NEW SECTION. SECTION 36. There is hereby added to K.C.C. chapter 16.04
849 a new section to read as follows:

850 **Existing structures – Definitions.** Section 3402 of the International Building
851 Code is supplemented with the following.

852 **Definition for administration of the alternative disaster repair provisions of**
853 **IBC 3411 as amended by King County (IBC 3402.2).** The following term shall, for the
854 purposes of administration of IBC 3411.5 have the following meaning:

855 **STORY IN HEIGHT:** Any story having its finished floor surface entirely above
856 grade plane, except that a basement shall be considered a story where:

857 1. The finished surface of the floor above the basement is more than 6 feet above
858 grade plane; or

859 2. The finished surface of the floor above the basement is more than 12 feet
860 above the finished ground level at any point: or

861 3. The basement has more than 60% of the perimeter wall framing comprised of
862 studs greater than 36 inches in length.

863 SECTION 37. Ordinance 14914, Section 178, and K.C.C. 16.04.520 are each
864 hereby amended to read as follows:

865 **Additions, alterations or repairs - Existing buildings or structures.** Section
866 3403.1 and all of its subsections of the International Building Code (~~(is)~~) are not adopted
867 and the following is substituted:

868 **Existing buildings or structures (IBC 3403.1).** Additions or alterations to any
869 building or structure shall conform with the requirements of the code for new
870 construction. Additions or alterations shall not be made to an existing building or
871 structure which will cause the existing building or structure to be in violation of any
872 provisions of this code. An existing building plus additions shall comply with the height
873 and area provisions of Chapter 5. Portions of the structure not altered and not affected by
874 the alteration are not required to comply with the code requirements for a new structure.

875 **EXCEPTION:** Repair of buildings and structures in flood hazard areas shall
876 comply with K.C.C. chapter 21A.24.

877 NEW SECTION. SECTION 38. There is hereby added to K.C.C. chapter 16.04
878 a new section to read as follows:

879 **Existing structures – Compliance alternatives – Flood hazard areas.** Section
880 3410.2.4.1 of the International Building Code is not adopted and the following is
881 substituted:

882 **Flood hazard areas (IBC 3410.2.4.1)** Existing buildings within flood hazard
883 areas shall comply with K.C.C. chapter 21A.24.

884 SECTION 39. Ordinance 12560, Section 67, as amended, and K.C.C. 16.04.550
885 are each hereby amended to read as follows:

886 **Appendix ((K)) Z, Sound transmission control - Sea-Tac sound reduction**
887 **standards - Purpose.** The International Building Code is supplemented by the following
888 appendix:

889 **Purpose (IBC ((AK)) AZ 101).** The purpose of these sections is to safeguard
890 life, health, property and public welfare by establishing minimum requirements
891 regulating the design, construction, and/or setting on site of buildings for human
892 occupancy in the vicinity of Sea-Tac International Airport as identified on the maps
893 referenced in the April 24, 1985 Federal Register, Volume 50, No. 79. These sections are
894 not intended to abridge any safety or health requirements required under any other
895 applicable codes or ordinances.

896 SECTION 40. Ordinance 12560, Section 68, as amended, and K.C.C. 16.04.560
897 are each hereby amended to read as follows:

898 **Appendix ((K)) Z, Sound transmission control - Scope.** The International
899 Building Code is supplemented by the following appendix:

900 **Scope (IBC ((AK)) AZ 102).** The provisions of this chapter shall apply to all
901 buildings or structures constructed or placed in use for human occupancy on sites within
902 the vicinity of Seattle-Tacoma International Airport which have been included within or
903 enclosed by the Port of Seattle Noise Remedy Program boundaries;

- 904 1. Structures relocated shall comply with all requirements of this chapter and,
905 2. Mobile homes located in mobile home parks shall be exempt from these
906 requirements.

907 This chapter is intended to supplement the provisions of the International Residential
908 Code, the International Mechanical Code, the Washington state Energy Code, and the

909 International Building Code. In the case of conflict between the chapter and any other
910 applicable codes the more restrictive requirements shall be met.

911 SECTION 41. Ordinance 12560, Section 69, as amended, and K.C.C. 16.04.570
912 are each hereby amended to read as follows:

913 **Appendix ((K)) Z, Sound transmission control - Application to existing**
914 **buildings.** The International Building Code is supplemented by the following appendix:

915 **Application to existing buildings (IBC ((AK)) AZ 103).** Additions may be
916 made to existing buildings or structures without making the entire building structure
917 comply with all the requirements of this chapter for new construction. Additions shall be
918 made to comply in the areas being added to the extent that it is deemed practical and
919 effective by the director of the department of development and environmental services in
920 meeting the intent of this chapter.

921 Any change of use in the occupancy or use of a building previously unapproved
922 for human occupancy to human occupancy use or one previously unused for sleeping
923 purposes to sleeping use shall not be permitted unless the building, structure or portion of
924 the building complies with this chapter.

925 SECTION 42 Ordinance 12560, Section 70, as amended, and K.C.C. 16.04.580
926 are each hereby amended to read as follows:

927 **Appendix ((K)) Z, Sound transmission control - Details.** The International
928 Building Code is supplemented by the following appendix:

929 **Details (IBC ((AK)) AZ 104).** The plans and specifications shall show in
930 sufficient detail all pertinent data and features of the building, equipment and systems, as
931 herein governed, including, but not limited to: exterior envelope component materials;

932 STC rating of applicable component assemblies; R-values of applicable insulation
933 materials; size and type of apparatus and equipment; equipment and system controls and
934 other pertinent data to indicate conformance with the requirements herein.

935 SECTION 43. Ordinance 12560, Section 71, as amended, and K.C.C. 16.04.590
936 are each hereby amended to read as follows:

937 **Appendix ((K)) Z, Sound transmission control - Fees.** The International
938 Building Code is supplemented by the following appendix:

939 **Fees (IBC ((AK)) AZ 105).** The director, department of development and
940 environmental services, is authorized to collect fees for administration, plan checking and
941 inspection. This fee shall be known as the Sea-Tac Noise Fee. The fee shall be calculated
942 as the sum of the fees for special plan review and supplemental inspection.

943 SECTION 44. Ordinance 12560, Section 72, as amended, and K.C.C. 16.04.600
944 are each hereby amended to read as follows:

945 **Appendix ((K)) Z, Sound Transmission - Definitions.** The International
946 Building Code is supplemented by the following appendix:

947 **Definitions (IBC ((AK)) AZ 106).**

948 **NOISE REDUCTION COEFFICIENT (NRC)** is the arithmetic average of the
949 sound absorption coefficients of a material at 250, 500, 1000, and 2000 Hz.

950 **SOUND TRANSMISSION CLASS (STC)** is single-number rating for
951 describing sound transmission loss of a wall, roof, floor, window, door, partition or other
952 individual building components or assemblies.

953 SECTION 45. Ordinance 12560, Section 73, as amended, and K.C.C. 16.04.610
954 are each hereby amended to read as follows:

955 **Appendix ((K)) Z, Sound transmission control - Design requirements.** The
956 International Building Code is supplemented by the following appendix:

957 **Design requirements (IBC ((AK)) AZ 107).** The criteria of these sections
958 establish the minimum requirements for acoustic design of the exterior envelope of
959 buildings and for HVAC systems and its parts. These requirements shall apply to all
960 buildings for human occupancy within the Sea-Tac Noise Program Areas.

961 SECTION 46. Ordinance 12560, Section 74, as amended, and K.C.C. 16.04.620
962 are each hereby amended to read as follows:

963 **Appendix ((K)) Z, Sound transmission control - Sea-Tac noise program area.**
964 The International Building Code is supplemented by the following appendix:

965 **Sea-Tac noise program area (IBC ((AK)) AZ 108).** Noise determined
966 construction requirements detailed in this chapter shall be applied to new construction
967 and additions of all structures, except for not normally inhabited portions of warehouses,
968 storage buildings and similar structures as determined by the director, within the
969 designated program areas of the Port of Seattle's Noise Remedy Program. The applicable
970 program areas are the Neighborhood Reinforcement Area and the Cost Share Insulation
971 Area. Specific construction requirements for these two areas are:

972 (a) Neighborhood Reinforcement Area:

973 1) Bedrooms must comply with ((AK)) AZ 125 which is designed to achieve a
974 noise reduction of 35 db.

975 2) All other living and working areas must comply with (AK)) AZ 117 which is
976 designed to achieve a noise reduction level of 30 dB.

977 (b) Cost-Share Insulations Area:

978 1) Bedrooms must comply with (~~AK~~) AZ 117 which is designed to achieve a
979 noise reduction of 30 dB.

980 2) All other living and working areas must comply with (~~AK~~) AZ 110 which is
981 designed to achieve a noise reduction level of 25 dB.

982 SECTION 47. Ordinance 12560, Section 75, as amended, and K.C.C. 16.04.630
983 are each hereby amended to read as follows:

984 **Appendix (~~K~~) Z, Sound transmission control - Air leakage for all buildings.**

985 The International Building Code is supplemented by the following appendix:

986 **Air leakage for all buildings (IBC (~~AK~~) AZ 109).**

987 (a) The requirements of this section shall apply to the design of the exterior
988 envelope of all buildings in the Sea-Tac Noise Program Area designed for human
989 occupancy. The requirements of this section are not applicable to the separation of
990 interior spaces from each other.

991 (b) The following limitations shall be sealed, caulked, gasketed, or weather-
992 stripped to limit or eliminate air leakage:

993 1) Exterior joints around window and door frames between the window or door
994 frame and the framing.

995 2) Openings between walls and foundations.

996 3) Between the wall sole plate and the rough flooring.

997 4) Opening at penetrations of utility services through walls, floor, and roofs.

998 5) Between wall panels at corners.

999 6) All other openings in the building envelope.

1000 (c) Through the wall, floor, or roof/ceiling penetrations not specifically addressed
1001 in these sections shall be designed to limit sound transmission and shall have the same
1002 average laboratory sound transmission classification as required for doors.

1003 SECTION 48. Ordinance 12560, Section 76 as amended, and K.C.C. 16.04.640
1004 are each hereby amended to read as follows:

1005 **Appendix ((K)) Z, Sound transmission control - Building requirements for a**
1006 **noise level reduction of 25 dB compliance.** The International Building Code is
1007 supplemented by the following appendix:

1008 **Building requirements for a noise level reduction of 25 dB compliance (IBC**
1009 **((AK)) AZ 110).** Compliance with ((AK)) AZ 111 through ((AK)) AZ 116 shall be
1010 deemed to meet requirements for a minimum noise level reduction (NLR) of 25 decibels.

1011 SECTION 49. Ordinance 12560, Section 77, as amended, and K.C.C. 16.04.650
1012 are each hereby amended to read as follows:

1013 **Appendix ((K)) Z, Sound transmission control - Exterior walls 25 dB**
1014 **compliance.** The International Building Code is supplemented by the following
1015 appendix:

1016 **Exterior walls 25 dB compliance (IBC ((AK)) AZ 111).**

1017 (a) Exterior walls, other than as described in this section, shall have a laboratory
1018 sound transmission class rating of at least STC-30; or

1019 (b) Masonry walls having a weight of at least 25 pounds per square feet do not
1020 require a furred (stud) interior wall. At least one surface of concrete block walls shall be
1021 plastered.

1022 (c) Stud walls shall be at least 4 inches in nominal depth and shall be finished on
1023 the outside with solid sheathing under an approved exterior wall finish.

1024 1. Interior surface of the exterior walls shall be of gypsum board or plaster at
1025 least 1/2 inch thick, installed on the studs.

1026 2. Continuous composition board, plywood or gypsum board sheathing at least
1027 1/2 inch thick shall cover the exterior side of the wall studs.

1028 3. Sheathing panels shall be covered on the exterior with overlapping building
1029 paper.

1030 4. Insulation material at least R-11 shall be installed continuously throughout
1031 the cavity space behind the exterior sheathing and between wall studs. Insulations shall
1032 be glass fiber or mineral wood.

1033 SECTION 50. Ordinance 12560, Section 78, as amended, and K.C.C. 16.04.660
1034 are each hereby amended to read as follows:

1035 **Appendix ((K)) Z, Sound transmission control - Exterior windows 25 dB**
1036 **compliance.** The International Building Code is supplemented by the following
1037 appendix:

1038 **Exterior windows 25 dB compliance (IBC ((AK)) AZ 112).**

1039 (a) Windows other than as described in this section shall have a laboratory sound
1040 transmission class rating at least STC-28; or

1041 (b) Glass shall be at least 3/16" thick.

1042 (c) All windows that open shall be weather-stripped and airtight when closed so
1043 as to conform to an air infiltration test not to exceed 0.5 cubic feet per minute per foot of
1044 crack length in accordance with ASTM E-283-65-T.

1045 (d) Glass shall be sealed in an airtight manner with a nonhardening sealant or a
1046 soft elastomer gasket or gasket tape.

1047 (e) The perimeter of window frames shall be sealed airtight to the exterior wall
1048 construction with a sealant conforming to one of the following Federal specifications:
1049 TT-S-00227, TT-S-00230 or TT-S-00153.

1050 SECTION 51. Ordinance 12560, Section 79, as amended, and K.C.C. 16.04.670
1051 are each hereby amended to read as follows:

1052 **Appendix ((K)) Z, Sound transmission control - Exterior doors 25 dB**
1053 **compliance.** The International Building Code is supplemented by the following
1054 appendix:

1055 **Exterior doors 25 dB compliance (IBC ((AK)) AZ 113).**

1056 (a) Doors other than as described in this section shall have a laboratory sound
1057 transmission class rating of at least STC-26; or

1058 (b) All exterior side-hinged doors shall be solid-core wood or insulated hollow
1059 metal at least 1-3/4" thick and shall be fully weather-stripped.

1060 (c) Exterior sliding doors shall be weather-stripped with an efficient airtight
1061 gasket system with performance that conforms to an air infiltration test not to exceed 0.5
1062 cubic feet per minute per foot of crack length in accordance with ASTM E-283-65-T.
1063 The glass in the sliding doors shall be at least 3/16" thick.

1064 (d) Glass in doors, over two square feet in area, shall be sealed in an airtight
1065 nonhardening sealant or in a soft elastomer gasket or glazing tape.

1066 (e) The perimeter of door frames shall be sealed airtight to the exterior wall
1067 construction with a sealant conforming to one of the following federal specifications:
1068 TT-S-0227, TT-S-00230 or TT-S-00153.

1069 SECTION 52. Ordinance 12560, Section 80 as amended, and K.C.C. 16.04.680
1070 are each hereby amended to read as follows:

1071 **Appendix ((K)) Z, Sound transmission control - Roofs 25 dB compliance.**

1072 The International Building Code is supplemented by the following appendix:

1073 **Roofs 25 dB compliance (IBC ((AK)) AZ 114).**

1074 (a) Combined roof and ceiling construction other than as described in this section
1075 and ((AK)) AZ 115 shall have a laboratory sound transmission class rating of at least
1076 STC-39; or

1077 (b) With an attic or rafter space at least 6" deep, and with a ceiling below, the
1078 roof shall consist of 1/2" composition board, plywood or gypsum board sheathing topped
1079 by roofing as required.

1080 (c) Open beam roof construction shall follow the energy insulation standard
1081 method for batt insulation.

1082 (d) Skylights shall conform to the window standard of ((AK)) AZ 112.

1083 SECTION 53. Ordinance 12560, Section 81, as amended, and K.C.C. 16.04.690
1084 are each hereby amended to read as follows:

1085 **Appendix ((K)) Z, Sound transmission control - Ceilings 25 dB compliance.**

1086 The International Building Code is supplemented by the following appendix:

1087 **Ceilings 25 dB compliance (IBC ((AK)) AZ 115).**

1088 (a) Gypsum board for plaster ceilings at least 1/2 inch thick shall be provided
1089 where required by ~~(AK)~~ AZ 114(b), above. Ceilings shall be substantially airtight with a
1090 minimum of penetrations.

1091 (b) Glass fiber or mineral wool insulation at least R-19 shall be provided above
1092 the ceiling between joists.

1093 SECTION 54. Ordinance 12560, Section 82, as amended, and K.C.C. 16.04.700
1094 are each hereby amended to read as follows:

1095 **Appendix ~~((K))~~ Z, Sound transmission control - Ventilation 25 dB**
1096 **compliance.** The International Building Code is supplemented by the following
1097 appendix:

1098 **Ventilation 25 dB compliance (IBC ~~((AK))~~ AZ 116).**

1099 (a) Ventilation systems shall be installed that will provide the minimum air
1100 circulation and fresh air supply requirements for various uses in occupied rooms without
1101 the need to open any windows, doors or other openings to the exterior. The inlet and
1102 discharge openings shall be fitted with sheet metal transfer ducts of at least ~~((20))~~ 26
1103 gauge steel, which shall be insulated with R-11 sound absorbing insulation or lined with
1104 1 inch thick coated glass fiber, and shall be at least 5 feet long with a 90 degree bend.

1105 (b) Gravity vent openings in attics shall be as close to minimum code in number
1106 and size as practical.

1107 (c) Bathroom, laundry and similar exhaust ducts connecting the interior space to
1108 the outdoors, shall contain at least a 5-foot length of internal sound-absorbing duct lining
1109 or external sound-absorbing duct insulation of at least R-11 thickness. Exhaust ducts less
1110 than 5 feet in length shall be fully lined and shall also meet the provisions of ~~(AK)~~ AZ

1111 109(c). Each duct shall be provided with a bend in the duct such that there is no direct
1112 line-of-sight through the duct from the venting cross-section to the room-opening
1113 cross-section. Duct lining shall be coated glass fiber duct line at least 1 inch thick. In
1114 areas (i.e. shower rooms) which produce moisture, duct lining shall be made of
1115 non-absorbent material. Commercial kitchen exhaust systems and product conveying duct
1116 systems (Chapter 5 IMC) shall be exempt.

1117 (d) Fireplaces shall be provided with well fitted dampers.

1118 SECTION 55. Ordinance 12560, Section 83, as amended, and K.C.C. 16.04.710
1119 are each hereby amended to read as follows:

1120 **Appendix ((K)) Z, Sound transmission control - Building requirements for a**
1121 **noise level reduction of 30 dB compliance.** The International Building Code is
1122 supplemented by the following appendix:

1123 **Building requirements for a noise level reduction of 30 dB compliance (IBC**
1124 **((AK)) AZ 117).** Compliance with ((AK)) AZ 118 through ((AK)) AZ 124 shall be
1125 deemed to meet requirements for a minimum noise level reduction (NLR) of 30 decibels.

1126 SECTION 56. Ordinance 12560, Section 84, as amended, and K.C.C. 16.04.720
1127 are each hereby amended to read as follows:

1128 **Appendix ((K)) Z, Sound transmission control - Exterior walls 30 dB**
1129 **compliance.** The International Building Code is supplemented by the following
1130 appendix:

1131 **Exterior walls 30 dB compliance (IBC ((AK)) AZ 118).**

1132 (a) Exterior walls, other than as described in this section, shall have a
1133 laboratory sound transmission class rating of at least STC-35; or

1134 (b) Masonry walls having a weight of at least 40 pounds per square foot do not
1135 require a furred (stud) interior wall. At least one surface of concrete block walls shall be
1136 plastered.

1137 (c) Stud walls shall be at least 4" in nominal depth and shall be finished on the
1138 outside with solid sheathing under an approved exterior wall finish.

1139 1. Interior surface of the exterior walls shall be of gypsum board or plaster at
1140 least 1/2 inch thick, installed on the studs. The gypsum board or plaster may be fastened
1141 rigidly to the studs if the exterior is brick veneer or stucco. If the exterior is siding, the
1142 interior gypsum board or plaster must be fastened resiliently to the studs.

1143 2. Continuous composition board, plywood, or gypsum board sheathing at least
1144 3/4" thick shall cover the exterior side of the wall studs.

1145 3. Sheathing panels shall be covered on the exterior with overlapping building
1146 paper.

1147 4. Insulation material at least R-11 shall be installed continuously throughout
1148 the cavity space behind the exterior sheathing and between wall studs. Insulation shall be
1149 glass fiber or mineral wool.

1150 SECTION 57. Ordinance 12560, Section 85, as amended, and K.C.C. 16.04.730
1151 are each hereby amended to read as follows:

1152 **Appendix ((K)) Z, Sound transmission control - Exterior windows 30 dB**
1153 **compliance.** The International Building Code is supplemented by the following
1154 appendix:

1155 **Exterior window 30 dB compliance (IBC ((AK)) AZ 119).**

1156 (a) Windows other than as described in this section shall have a laboratory sound
1157 transmission class rating of at least STC-33; or

1158 (b) Windows shall be double glazed with panes at least 1/8" thick. Panes of glass
1159 shall be separated by a minimum 1/2" airspace.

1160 (c) Double-glazed windows shall employ fixed sash or efficiently weather-
1161 stripped, operable sash. The sash shall be rigid and weather-stripped with material that is
1162 compressed airtight when the window is closed so as to conform to an air infiltration test
1163 not to exceed 0.5 cubic foot per minute per foot of crack length in accordance with
1164 ASTM E-283-65-T.T.

1165 (d) Glass shall be sealed in an airtight manner with a nonhardening sealant or a
1166 soft elastomer gasket or gasket tape.

1167 (e) The perimeter of window frames shall be sealed airtight to the exterior wall
1168 construction with a sealant conforming to one of the following Federal specifications:
1169 TT-S-0027, TT-S-00230 or TT-S-00153.

1170 SECTION 58. Ordinance 12560, Section 86, as amended, and K.C.C. 16.04.740
1171 are each hereby amended to read as follows:

1172 **Appendix (~~K~~) Z, Sound transmission control - Exterior doors 30 dB**
1173 **compliance.** The International Building Code is supplemented by the following
1174 appendix:

1175 **Exterior doors 30 dB compliance (IBC (~~AK~~) AZ 120).**

1176 (a) Doors other than as described in this section shall have a laboratory sound
1177 transmission class rating of at least STC-33; or

1178 (b) Double door construction is required for all door openings to the exterior.
1179 Openings fitted with side-hinged doors shall have one solid core of wood or be an
1180 insulated hollow metal door at least 1-3/4" thick separated by an airspace of at least 3"
1181 from another door, which can be a storm door. Both doors shall be tightly fitted and
1182 weather-stripped.

1183 (c) The glass of double glazed sliding doors shall be separated by a minimum
1184 1/2" airspace. Each sliding frame shall be provided with an efficiently airtight
1185 weather-stripping material as that conforms to an air infiltration test not to exceed 0.2
1186 cubic feet per minute per foot of crack length in accordance with ASTM E-283-65-T.

1187 (d) Glass (over two square feet in area) of all doors shall be at least 3/16" thick.
1188 Glass of double sliding doors shall not be equal in thickness.

1189 (e) The perimeter of door frames shall be sealed airtight to the exterior wall
1190 construction (framing) with a sealant conforming to one of the following Federal
1191 specifications: TT-S-0227, TT-S-00230 or TT-S-00153.

1192 (f) Glass in doors shall be sealed in an airtight nonhardening sealant or in a soft
1193 elastomer gasket or glazing tape.

1194 SECTION 59. Ordinance 12560, Section 87, as amended, and K.C.C. 16.04.750
1195 are each hereby amended to read as follows:

1196 **Appendix ((K) Z, Sound transmission control - Roofs 30 dB compliance.**

1197 The International Building Code is supplemented by the following appendix:

1198 **Roofs 30 dB compliance (IBC ((AK) AZ 121).**

1199 (a) Combined roof and ceiling construction other than described in this section
1200 and ~~(AK)~~ AZ 122 shall have a laboratory sound transmission class rating of at least
1201 STC-44; or

1202 (b) With an attic or rafter space at least 6" deep, and with a ceiling below, the
1203 roof shall consist of 3/4" composition board, plywood or gypsum board sheathing topped
1204 by roofing as required.

1205 } (c) Open beam roof construction shall follow the energy insulation standard
1206 method for batt insulation, except use 1" plywood decking with shakes or other suitable
1207 roofing material.

1208 (d) Window or dome skylights shall have a laboratory sound transmission class
1209 rating of at least STC-33.

1210 SECTION 60. Ordinance 12560, Section 88, as amended, and K.C.C. 16.04.760
1211 are each hereby amended to read as follows:

1212 **Appendix ~~(K)~~ Z, Sound transmission control - Ceilings 30 dB compliance.**

1213 The International Building Code is supplemented by the following appendix:

1214 **Ceilings 30 dB compliance (IBC ~~(AK)~~ AZ 122).**

1215 (a) Gypsum board or plaster ceilings at least 5/8" thick shall be provided where
1216 required by ~~(AK)~~ AZ 121(b) above. Ceilings shall be substantially airtight with a
1217 minimum of penetrations.

1218 (b) Glass fiber or mineral wool insulation of least R-19 shall be provided above
1219 the ceiling between joists.

1220 SECTION 61. Ordinance 12560, Section 89, as amended, and K.C.C. 16.04.770
1221 are each hereby amended to read as follows:

1222 **Appendix ((K)) Z, Sound transmission control - Floors 30 dB compliance.**

1223 The International Building Code is supplemented by the following appendix:

1224 **Floors 30 dB compliance (IBC ((AK)) AZ 123).** The floor of the lowest
1225 occupied rooms shall be slab on fill, below grade, or over a fully enclosed basement or
1226 crawl space. All door and window openings in the fully enclosed basement shall be
1227 tightly fitted.

1228 **EXCEPTION:** Floors over fully enclosed garages or over carports shall have a
1229 laboratory sound transmission class rating of at least STC-35. The floor over the garage
1230 or carport shall be insulated to not less than R-19, but not less than that specified by the
1231 Washington state energy code and enclosed with one layer of 5/8" type 'X' GWB on the
1232 garage or carport side or any equivalent approved garage or dwelling separation assembly
1233 in conformance with IRC section R309.2.

1234 **SECTION 62.** Ordinance 12560, Section 90, as amended, and K.C.C. 16.04.780
1235 are each hereby amended to read as follows:

1236 **Appendix ((K)) Z, Sound transmission control - Ventilation 30 dB**
1237 **compliance.** The International Building Code is supplemented by the following
1238 appendix:

1239 **Ventilation 30 dB compliance (IBC ((AK)) AZ 124).**

1240 (a) A ventilation system shall be installed that would provide the minimum air
1241 circulation and fresh air supply requirements for various uses in occupied rooms without
1242 the need to open any windows, doors or other openings to the exterior. The inlet and
1243 discharge openings shall be fitted with sheet metal transfer ducts of at least ((20)) 26
1244 gauge steel, which shall be lined with 1" thick coated glass fiber or insulated with R-11

1245 sound-absorbing duct insulation, and shall be at least 5 feet long with one 90 degree
1246 bend.

1247 (b) Gravity vent openings in attics or crawlspaces shall be as close to minimum
1248 code in number and size, as practical. The openings shall be fitted with transfer ducts at
1249 least 3 feet in length containing internal 1" thick coated fiberglass sound-absorbing duct
1250 lining or insulated with R-11 sound-absorbing duct insulation. Each duct shall have a
1251 lined 90 degree bend in the duct such that there is no direct line-of-sight from the exterior
1252 through the duct into the attic.

1253 (c) Bathroom, laundry, and similar exhaust ducts connecting the interior space to
1254 the outdoors, shall contain at least 10-foot length of internal sound-absorbing duct lining.
1255 Exhaust ducts less than 10 feet in length shall be fully lined and shall also be the
1256 provisions of (~~AK~~) AZ 109(c). Each duct shall be provided with a lined 90 degree bend
1257 in the duct such that there is no direct line-of-sight through the duct from the venting
1258 cross-section to the room opening cross-section. Duct lining shall be coated glass fiber
1259 duct liner at least 1" thick or insulated with R-11 sound-absorbing duct insulation. In
1260 areas (i.e. shower rooms) which produce moisture, duct lining shall be made of
1261 non-absorbent material. Commercial kitchen exhaust systems and product conveying duct
1262 systems (Chapter 5 U.M.C.) shall be exempt.

1263 (d) Domestic range exhaust ducts connecting the interior space to the outdoors
1264 shall contain a self-closing baffle plate across the exterior termination which allows
1265 proper ventilation. The duct shall be provided with a 90 degree bend.

1266 SECTION 63. Ordinance 12560, Section 91, as amended, and K.C.C. 16.04.790
1267 are each hereby amended to read as follows:

1268 **Appendix ((K)) Z, Sound transmission control - Building requirements for a**
1269 **noise level reduction of 35 dB compliance.** The International Building Code is
1270 supplemented by the following appendix:

1271 **Building requirements for a noise level reduction of 35 dB compliance (IBC**
1272 **((AK)) AZ 125).** Compliance with ((AK)) AZ 126 through ((AK)) AZ 132 shall be
1273 deemed to meet requirements for a minimum noise level reduction (NLR) of 35 decibels.

1274 SECTION 64. Ordinance 12560, Section 92, as amended, and K.C.C. 16.04.800
1275 are each hereby amended to read as follows:

1276 **Appendix ((K)) Z, Sound transmission control - Exterior walls 35 dB**
1277 **compliance.** The International Building Code is supplemented by the following
1278 appendix:

1279 **Exterior walls 35 dB compliance (IBC ((AK)) AZ 126).**

1280 (a) Exterior walls, other than s described in this section shall have a laboratory
1281 sound transmission class rating of at least STC-40; or

1282 (b) Masonry walls having a weight of at least 75 pounds per square feet do not
1283 require a furred (stud) interior wall. At least one surface of concrete block walls shall be
1284 plastered.

1285 (c) Stud walls shall be at least 4" in nominal depth and shall be finished on the
1286 outside with solid sheathing under an approved exterior wall finish.

1287 1. Interior surface of the exterior walls shall be of gypsum board or plaster at
1288 least 5/8" thick installed on the studs. The gypsum board or plaster may be fastened
1289 rigidly to the studs if the exterior is brick veneer or stucco. If the exterior is stucco or

1290 siding, the interior gypsum board or plaster must be fastened resiliently to the studs or
1291 double thickness must be used.

1292 2. Continuous composition board, plywood, or gypsum board sheathing, or any
1293 combination of these materials of unequal thickness, that is at least 1" thick shall cover
1294 the exterior side of the wall studs.

1295 3. Sheathing panels shall be butted tightly and covered on the exterior with
1296 overlapping building paper.

1297 4. Insulation material at least R-19 or R-19 equivalent shall be installed
1298 continuously throughout the cavity space behind the exterior sheathing and between wall
1299 studs. Insulation shall be glass fiber or mineral wool.

1300 SECTION 65. Ordinance 12560, Section 93, as amended, and K.C.C. 16.04.810
1301 are each hereby amended to read as follows:

1302 **Appendix ((K)) Z, Sound transmission control - Exterior windows 35 dB**
1303 **compliance.** The International Building Code is supplemented by the following
1304 appendix:

1305 **Exterior window 35 dB compliance (IBC ((AK)) AZ 127).**

1306 (a) Windows other than as described in this section shall have a laboratory sound
1307 transmission class rating of at least STC-38; or

1308 (b) Windows shall be double glazed with panes at least 3/16" thick. Panes of
1309 glass shall be separated by a minimum 1/2" airspace and shall not be equal in thickness.

1310 (c) Double-glazed windows shall employ fixed sash or efficiently weather-
1311 stripped, operable sash. The sash shall be rigid and weather-stripped with material that is
1312 compressed airtight when the window is closed so as to conform to an air infiltration test

1313 not to exceed 0.5 cubic foot per minute per foot of crack length in accordance with
1314 ASTM-E-283-65-T.

1315 (d) Glass shall be sealed in an airtight manner with a nonhardening sealant of soft
1316 elastomer gasket or gasket tape.

1317 (e) The perimeter of window frames shall be sealed airtight to the exterior wall
1318 construction with a sealant conforming to one of the following Federal specifications:
1319 TT-S-00227, TT-S-00230 or TT-S-00153.

1320 SECTION 66. Ordinance 12560, Section 94, as amended, and K.C.C. 16.04.820
1321 are each hereby amended to read as follows:

1322 **Appendix ((K)) Z, Sound transmission control - Exterior doors 35 dB**
1323 **compliance.** The International Building Code is supplemented by the following
1324 appendix:

1325 **Exterior doors 35 dB compliance (IBC ((AK)) AZ 128).**

1326 (a) Doors other than as described in this section shall have a laboratory sound
1327 transmission class rating of a least STC 33; or

1328 (b) Double door construction is required for all door openings to the exterior. The
1329 doors shall be side-hinged and shall be solid core wood or insulated hollow metal door at
1330 least 1-3/4" thick, separated by a vestibule or enclosed porch at least 3 feet in length.
1331 Both doors shall be tightly fitted and weather-stripped.

1332 (c) The glass or double glazed sliding doors shall be separated by a minimum
1333 1/2" airspace. Each sliding door frame shall be provided with an efficiently airtight
1334 weather-stripping material that conforms to an air infiltration test not to exceed 0.5 cubic
1335 feet per minute per foot of crack length in accordance with ASTM E-283-65-T.

1336 (d) Glass of all doors shall be at least 3/16" thick. Glass of double sliding doors
1337 shall not be equal in thickness.

1338 (e) The perimeter of door frames shall be sealed airtight to the exterior wall
1339 construction (framing) with a sealant conforming to one of the following Federal
1340 specifications: TT-S-00227, TT-S-00230 or TT-S-00153.

1341 (f) Glass in doors shall be sealed in an airtight nonhardening sealant or in a soft
1342 elastomer gasket of glazing tape.

1343 SECTION 67. Ordinance 12560, Section 95, as amended, and K.C.C. 16.04.830
1344 are each hereby amended to read as follows:

1345 **Appendix ((K)) Z, sound transmission control - Roofs 35 dB compliance.** The
1346 International Building Code is supplemented by the following appendix:

1347 **Roofs 35 dB compliance (IBC ((AK)) AZ 129).**

1348 (a) Combined roof and ceiling construction other than as described in this section
1349 and ((AK)) AZ 130 shall have a laboratory sound transmission class rating of at least
1350 STC-49; or

1351 (b) With an attic or rafter space at least 6" deep, and with a ceiling below, the
1352 roof shall consist of ((1")) composition board, plywood or gypsum board sheathing, or
1353 any combination of these materials of unequal thickness, that is at least 1 " thick and
1354 topped by roofing as required.

1355 (c) Open beam roof construction shall follow the energy insulation standard
1356 method for batt insulation, except use 1" plywood decking with concrete or clay tiles as
1357 roofing material.

1358 SECTION 68. Ordinance 12560, Section 96, as amended, and K.C.C. 16.04.840
1359 are each hereby amended to read as follows:

1360 **Appendix ((K)) Z, Sound transmission control - Ceiling 35 dB compliance.**

1361 The International Building Code is supplemented by the following appendix:

1362 **Ceiling 35 dB compliance (IBC ((AK)) AZ 130).**

1363 (a) Gypsum board or plaster ceiling at least 5/8" shall be provided where required
1364 by ((AK)) AZ 129, above. Ceiling shall be substantially airtight with a minimum of
1365 penetrations. The ceiling panels shall be mounted on resilient clips or channels.

1366 (b) Glass fiber or mineral wool insulation at least R-30 shall be provided above
1367 the ceiling between joists.

1368 SECTION 69. Ordinance 12560, Section 97, as amended, and K.C.C. 16.04.850
1369 are each hereby amended to read as follows:

1370 **Appendix ((K)) Z, Sound transmission control - Floors 35 dB compliance.**

1371 The International Building Code is supplemented by the following appendix:

1372 **Floors 35 dB compliance (IBC ((AK)) AZ 131).** The floor of the lowest occupied
1373 rooms shall be slab on fill or below grade or over a fully enclosed basement or crawl
1374 space. All door and window openings in the fully enclosed basement shall be tightly
1375 fitted.

1376 **EXCEPTION:** Floors over fully enclosed garages or over carports shall have a
1377 laboratory sound transmission class rating of at least STC-40. The floor over the garage
1378 or carport shall be insulated to not less than R-19, but not less than that specified by the
1379 Washington state energy code and enclosed with two layers of 5/8" type 'X' GWB on the

1380 garage or carport side or any equivalent approved garage/dwelling separation assembly in
1381 conformance with IRC section R309.2.

1382 SECTION 70. Ordinance 12560, Section 98, as amended, and K.C.C. 16.04.860
1383 are each hereby amended to read as follows:

1384 **Appendix ((K)) Z, Sound transmission control - Ventilation 35 dB**

1385 **compliance.** The International Code is supplemented by the following appendix:

1386 **Ventilation 35 dB compliance (IBC ((AK)) AZ 132).**

1387 (a) A ventilation system shall be installed that will provide the minimum air
1388 circulation and fresh air supply requirements for various uses in occupied rooms without
1389 the need to open any windows, doors or other opening to the exterior. The inlet and
1390 discharge openings shall be fitted with sheet metal transfer ducts of at least ((20)) 26
1391 gauge steel, which shall be lined with 1" thick coated glass fiber or insulated with R-11
1392 sound-absorbing duct insulation, and shall be at least 10 feet long with one 90 degree
1393 bend.

1394 (b) Gravity vent openings in attics shall be as close to minimum code in number
1395 and size, as practical. The openings shall be fitted with transfer ducts at least 6 feet in
1396 length containing internal 1" thick coated fiberglass sound-absorbing duct lining or
1397 insulated with R-11 sound-absorbing duct insulation. Each duct shall have a lined 90
1398 degree bend in the duct that there is no direct line-of-sight from the exterior through the
1399 duct into the attic.

1400 (c) Bathroom, laundry, and similar exhaust ducts connecting the interior space to
1401 the outdoors, shall contain at least a 10-foot length of internal sound-absorbing duct
1402 lining or insulated with R-11 sound-absorbing duct insulation. Exhaust ducts less than 10

1403 feet in length shall be fully lined and shall also meet the provisions of (AK)) AZ 109(c).
1404 Each duct shall be provided with a lined 90 degree bend in the duct such that there is no
1405 direct line-of-sight through the duct from the venting cross-section to the room-opening
1406 cross-section. Duct lining shall be coated glass fiber duct liner at least 1" thick or R-11
1407 sound-absorbing duct insulation. In areas such as shower rooms which produce moisture,
1408 duct lining shall be made of non-absorbent material. Commercial kitchen exhaust
1409 systems and product conveying duct systems (Chapter 51) shall be exempt.

1410 (d) Domestic range exhaust ducts connecting the interior space to the outdoors
1411 shall contain a self-closing baffle plate across the exterior termination which allows
1412 proper ventilation. The duct shall be provided with a 90 degree bend.

1413 SECTION 71. Ordinance 11923, Section 2, and K.C.C. 16.04.890 are each hereby
1414 amended to read as follows:

1415 **Mandatory residential inspection of conversion condominium.**

1416 A. The declarant shall, at his or her expense, obtain an inspection of the premises
1417 subject to condominium conversion by the department to insure compliance with the
1418 ~~((Uniform Housing Code))~~ International Property Maintenance Code and other applicable
1419 codes and regulations as adopted by King County. Inspection shall be made within forty-
1420 five days of a declarant's written request. A written residential inspection report shall be
1421 issued by the department within fourteen days following completion of the residential
1422 inspection.

1423 B. Any public offering statement issued with respect to a conversion
1424 condominium shall include a copy of the written residential inspection report by the
1425 department.

1426 C. Prior to the conveyance of any residential unit within a conversion
1427 condominium, the declarant shall repair all violation disclosed in the residential
1428 inspection report which are not waived by the department and shall obtain certification
1429 from the department that such have been properly made. Certification of repairs by the
1430 department shall be based upon a reinspection of the conversion condominium premises,
1431 to be performed within seven days of the declarant's written request. Certification shall
1432 be issued within seven days following reinspection if the property is then determined to
1433 be in compliance.

1434 D. Certification by the department shall state that only those defects discovered
1435 by the residential inspection have been corrected and that the certification does not
1436 guarantee that all relevant code violations have been corrected. No declarant shall use
1437 the department's certification in any advertising nor shall a declarant indicate or imply to
1438 anyone, for the purpose of inducing a person to purchase a condominium unit, that King
1439 County or any of its departments has "approved" the premises or any unit for sale.

1440 SECTION 72. Ordinance 12380, Section 5, as amended, and K.C.C. 16.04.970 are
1441 each hereby amended to read as follows:

1442 **Factory-built commercial structures and coaches - Standards.**

1443 A. Factory-built commercial structures and coaches shall be located, installed and
1444 used in the same manner as conventional commercial structures, except to the extent that
1445 construction standards are regulated by the Washington State Department of Labor and
1446 Industries or the U.S. Department of Housing and Urban Development.

1447 B. Factory-built commercial structures and commercial coaches shall be installed
1448 subject to the following:

1449 1. A building permit must be obtained for any factory-built commercial
1450 structure or commercial coach pursuant to the permit process and procedures for type 1
1451 permits outlined in K.C.C. chapter 20.20.

1452 2. The following criteria must be satisfied for the permanent installation of a
1453 factory-built commercial structure or commercial coach before a building permit can be
1454 issued:

1455 a. The appropriate insignia of the Washington State Department of Labor and
1456 Industries of the U.S. Department of Housing and Urban Development must be affixed to
1457 the unit. If the unit is lacking the appropriate insignia it must satisfy the structural,
1458 mechanical, electrical and plumbing requirements of the International Building,
1459 Mechanical and other applicable codes as adopted in King County for conventional
1460 commercial structures.

1461 b. The foundation, entry/exit stairs or ramps, and all accessory structures shall
1462 be designed and installed in accordance with the provisions of the International Building
1463 Code as adopted in King County.

1464 c. Occupancy of the structure shall not be permitted before inspection and
1465 approval.

1466 3. The temporary installation of factory-built commercial structures and
1467 commercial coaches may be permitted for a period not to exceed one year. The support
1468 system recommended by the manufacturer, or designed by a professional structural
1469 engineer registered by the state, may be substituted for a foundation designed in
1470 accordance with the provisions of the International Building Code as adopted in King

1471 County, subject to the approval of the department of development and environmental
1472 services.

1473 4. Factory-built construction office trailers may be placed without an additional
1474 permit as long as the site is covered by a valid building permit.

1475 SECTION 73. Ordinance 7853, Section 1, as amended, and K.C.C. 16.04.980 are
1476 each hereby amended to read as follows:

1477 **Inspection and enforcement.**

1478 A. Enforcement. The director is authorized to enforce the provisions of this
1479 chapter and any rules and regulations promulgated thereunder, pursuant to the
1480 enforcement and penalty provisions of K.C.C. Title 23.

1481 **EXCEPTION:** The director of the department of public health is authorized to
1482 enforce International Building Code Section 2902.1 and Table 29-A chapter 51-50 WAC
1483 and the fuel gas piping requirements in the International Fuel Gas Code, and Chapter 24
1484 of the International Residential Code.

1485 B. General. All construction or work for which a permit is required shall be
1486 subject to inspection by the director.

1487 C. Authority. The director is authorized and directed to enforce this chapter. The
1488 director is authorized to promulgate, adopt, and issue those rules and regulations
1489 necessary to the effective and efficient administration of this chapter, such rules and
1490 regulations to be adopted and maintained in accordance with the provisions for the rules
1491 of county agencies, K.C.C. chapter 2.98.

1492 D. Plan Reviews and Inspections. All buildings constructed under the provisions
1493 of this chapter are subject to a final inspection for compliance with this chapter. The

1494 director has the authority to establish rules and procedures for accepting at his/her option
1495 an affidavit of substantial compliance with this chapter in lieu of plan reviews and/or
1496 inspections.

1497 SECTION 74. Ordinance 14914, Section 269, and K.C.C. 16.05.010 are each
1498 hereby amended to read as follows:

1499 **Adoption.** The International Residential Code for One- and Two-Family
1500 Dwellings Code, as amended in chapter 51-52 WAC, effective July 1, ~~((2004))~~ 2007, as
1501 published by or jointly with the International Code Council, Inc., together with
1502 appendices, amendments, additions, deletions and exceptions hereinafter adopted by
1503 reference, together with the Washington state building code and with King County
1504 modifications which shall be adopted and codified in this chapter are adopted as the King
1505 County International Residential Code for One- and Two-Family Dwellings code and
1506 hereinafter referred to as the International Residential Code, "IRC." Chapter 11 and
1507 Chapters 25 through 40 are not adopted. The energy code is regulated by chapter 51-11
1508 WAC; the plumbing code is regulated by chapter 51-56 WAC; the electrical code is
1509 regulated by chapter 296-46B WAC; and Appendix G is included in adoption of the
1510 International Residential Code.

1511 SECTION 75. Ordinance 14914, Section 271, and K.C.C. 16.05.030 are each
1512 hereby amended to read as follows:

1513 **Appendices ~~((not))~~ adopted.** Appendices ~~((A through))~~ F, G, H ((I and J)) and K
1514 of the International Residential Code are ~~((not))~~ adopted.

1515 SECTION 76. Ordinance 14914, Section 272, and K.C.C. 16.05.040 are each
1516 hereby amended to read as follows:

1517 **Building Planning – Design criteria - Climate and Geographical Design**
 1518 **Criteria for King County.** Table R301.2(1) of the International Residential Code is not
 1519 adopted and the following is substituted:

1520 **Table R301.2(1)**

1521 **CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA FOR KING**

1522 **COUNTY**

Group	Wind speed (mph)	Seismic design category	Subject to damage from				Winter design temp.	Ice-shield required	Flood hazards	Air freezing index	Mean annual temp.
			Weathering	Frost line depth	Termites	Decay					
Various ₁	85	D1 or D2 ₂	Moderate	12" < 1,000 ft elev. ₃	Slight to Mod.	Slight to Mod.	25	No	Various ₄	100 to 250	50

1523 1. ~~((The "Snow Load Analysis for Washington" Second Edition (1995),~~
 1524 ~~published by the Structural Engineers Association of Washington, shall be used in~~
 1525 ~~determining snow load except where the department determines by public rule that a~~
 1526 ~~different standard is necessary to protect the public health and safety.)) Snow loads shall
 1527 be determined in accordance with King County public rules. The minimum roof design
 1528 snow load shall be 25 pounds per square feet.~~

1529 2. Seismic design category shall be D1 for areas of unincorporated King County
 1530 to the east of the Snoqualmie River as it traverses from the King County—Snohomish

1531 County line to the city limits of Snoqualmie, east of the town of Snoqualmie, east of the
1532 Snoqualmie Parkway and the Echo Lake-Snoqualmie Cut-off SE as they run from the
1533 city limits of the town of Snoqualmie to State Highway 18 and to the south or east of
1534 State Highway 18. All other portions of unincorporated King County shall be seismic
1535 design category D2.

1536 3. The frost line depth shall be considered to be 12 inches for sites up to an
1537 elevation of 1000 feet above sea level, 18 inches for sites greater than 1000 feet and up to
1538 an elevation of 2000 feet above sea level or 24 inches for sites greater than 2000 feet
1539 above sea level. ((For sites over 1,000 feet above sea level-a)) Frost depth may be
1540 otherwise determined by specific site analysis ((may be required)), but shall not be less
1541 than 12 inches.

1542 4. Flood hazard within King County varies. See the flood hazard code provisions
1543 of K.C.C. chapter 21A.24.

1544 SECTION 77. Ordinance 14914, Section 273, and K.C.C. 16.05.050 are each
1545 hereby amended to read as follows:

1546 **Building Planning – Design criteria - Disaster repair standards.** Section R301
1547 of the International Residential Code is supplemented with the following:

1548 **Disaster repair standards (IRC R((301.10))301.9).** Repairs for buildings
1549 damaged by disasters shall comply with Sections 3411.2 through 3411.7 of the
1550 International Building Code as amended by K.C.C. chapter 16.06.

1551 NEW SECTION. SECTION 78. There is hereby added to K.C.C. chapter 16.05
1552 a new section to read as follows:

1553 **Building planning – Emergency escape and rescue openings – Emergency**
1554 **escape windows under decks and porches.** Section R310.5 of the International
1555 Residential Code is not adopted and the following is substituted:

1556 **Emergency escape windows under decks and porches (IRC R310.5)**
1557 Emergency escape windows are allowed to be installed under decks, porches, roof
1558 overhangs, awnings, or similar projections provided the location allows the emergency
1559 escape window to be fully opened and provides a path not less than 36 inches (914mm) in
1560 height and not less than 36 inches (914 mm) in width with a maximum unobstructed
1561 travel length directly to a yard or court based on 3:1, length to height ratio or as approved
1562 by the building official. This distance shall be measured from the edge of the window or
1563 if served by a window well from the edge of that window well.

1564 **EXCEPTION:** When the vertical height is 6'8" (2,032 mm) or greater, the travel
1565 distance or length is unlimited.

1566 SECTION 79. Ordinance 14914, Section 275, and K.C.C. 16.05.070 are each
1567 hereby amended to read as follows:

1568 **Building planning – Flood-resistant construction.** Section R(~~323~~) 324 of the
1569 International Residential Code is not adopted and the following is substituted:

1570 **Building planning – Flood-resistant construction (IRC R(~~323~~) 324).** Flood-
1571 resistant construction will comply with the flood hazard standards in K.C.C. chapter
1572 21A.24.

1573 SECTION 80. Ordinance 14914, Section 276, and K.C.C. 16.05.080 are each
1574 hereby amended to read as follows:

1575 **Building planning – Automatic fire sprinklers.** Chapter 3 of the International
1576 Residential Code is supplemented with the following:

1577 **Automatic fire sprinklers (IRC R(~~324~~)325).** Automatic fire sprinklers shall
1578 be provided as required by Section 903.2.10.4 of the International Fire Code.

1579 SECTION 81. Ordinance 14914, Section 277, and K.C.C. 16.05.090 are each
1580 hereby amended to read as follows:

1581 **Foundation walls - Concrete foundation walls.** Section R404.1.2 of the
1582 International Residential Code is not adopted and the following is substituted:

1583 **Concrete foundation walls (IRC R404.1.2).** Concrete foundation walls shall be
1584 constructed ~~((in accordance with Tables R 404.1.1(1) through (4)))~~ as provided in Table
1585 404.1.1(5) and shall also comply with section R404(~~(-2)~~) and the applicable provisions of
1586 Section R402.2. In seismic design categories D0, D1 and D2, concrete foundation walls
1587 shall comply with section R404.1.4. Concrete foundation walls may comply with Table
1588 ~~((1805.5(5)))~~ 1805.5(6) of the International Building Code, as amended by K.C.C.
1589 chapter 16.04, as an alternative to requiring a special design for every application.

1590 SECTION 82. Ordinance 14914, Section 278, and K.C.C. 16.05.100 are each
1591 hereby amended to read as follows:

1592 **Under floor space – Flood resistance.** Section R(~~(408.6)~~)408.7 of the
1593 International Residential Code is not adopted and the following is substituted:

1594 **Flood resistance (IRC R(~~(408.6)~~)408.7).** Under floor spaces of buildings located
1595 in areas prone to flooding shall comply with the flood hazard standards in K.C.C. chapter
1596 21A.24.

1597 SECTION 83. K.C.C. 16.70.010, as amended by this ordinance, is hereby
1598 recodified as a new section in K.C.C. chapter 16.05.

1599 SECTION 84. Resolution 21284, Section 1, and K.C.C. 16.70.010 are each
1600 hereby amended to read as follows:

1601 **Appendix G - Swimming pools, spas and hot tubs - General. Appendix AG**
1602 **101 of the International Residential Code is supplemented with the following:**

1603 **Location of pool (IRC AG 101.2).** A swimming pool may not be located in any
1604 front yard required by the zoning code of the county, nor closer than five feet measured
1605 from the edge of the water surface to any exterior property line.

1606 SECTION 85. K.C.C. 16.70.040, as amended by this ordinance, is hereby
1607 recodified as a new section in K.C.C. chapter 16.05.

1608 SECTION 86. Resolution 21284, Section 4, and K.C.C. 16.70.040 are each
1609 hereby amended to read as follows:

1610 **Appendix G - Swimming pools, spas and hot tubs - General. Appendix AG**
1611 **101 of the International Residential Code is supplemented with the following:**

1612 **Scope of code (IRC AG 101.3).** The provisions of this chapter shall not apply to
1613 public swimming pools for which a charge or admission price is required to be paid for
1614 the use thereof, nor to swimming pools which are a part of and located upon the same
1615 premises as a hotel or motel, nor to swimming pools operated by a school district when
1616 the pools are made unavailable except at times when attended by adult supervisors or
1617 guards.

1618 SECTION 87. K.C.C. 16.70.030, as amended by this ordinance, is hereby
1619 recodified as a new section in K.C.C. chapter 16.05.

1620 SECTION 88. Resolution 21284, Section 3, as amended, and K.C.C. 16.70.030
1621 are each hereby amended to read as follows:

1622 **Appendix G - Swimming pools, spas and hot tubs - General.** Appendix AG
1623 101 of the International Residential Code is supplemented with the following:

1624 **Submission of plans prior to construction - Inspection and approval of pool -**
1625 **Use before approval constitutes violation (IRC AG 101.4).** Plans for swimming pools
1626 to be constructed shall be submitted to the department of development and environmental
1627 services, and shall show on their face the form of proposed compliance with the
1628 requirements of this chapter and the final inspection and approval of all pools hereafter
1629 constructed shall be withheld until all requirements of this chapter have been complied
1630 with. Use of the swimming pool before final inspection and approval constitutes a
1631 violation of this chapter.

1632 SECTION 89. K.C.C. 16.70.060, as amended by this ordinance, is hereby
1633 recodified as a new section in K.C.C. chapter 16.05.

1634 SECTION 90. Resolution 21284 (part), as amended, and K.C.C. 16.70.060 are
1635 each hereby amended to read as follows:

1636 **Appendix G - Swimming pools, spas and hot tubs - General.** Appendix AG
1637 101 of the International Residential Code is supplemented with the following:

1638 **Enforcement (IRC AG 101.5).** The director of the department of development
1639 and environmental services is authorized to enforce the provisions of this chapter, the
1640 ordinances and resolutions codified in it, and any rules and regulations promulgated
1641 thereunder pursuant to the enforcement and penalty provisions of Title 23.

1642 SECTION 91. Ordinance 12560, Section 57, as amended, and K.C.C. 16.05.110
1643 are each hereby amended to read as follows:

1644 **Appendix G - Swimming pools, spas and hot tubs - Barrier requirements -**
1645 **Outdoor swimming pool.** Section AG105.2 of Appendix G of the International
1646 Residential Code is not adopted and the following is substituted:

1647 **Outdoor swimming pool (IRC AG105.2).** An outdoor swimming pool,
1648 including an in-ground, above-ground or on-ground pool, hot tub or spa shall be provided
1649 with a barrier that shall comply with the following:

1650 1. The top of the barrier shall be at least 60 inches (1,524 mm) above grade
1651 measured on the side of the barrier which faces away from the swimming pool. The
1652 maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches
1653 (51 mm) measured on the side of the barrier which faces away from the swimming pool.
1654 Where the top of the pool structure is above grade, such as an above-ground pool, the
1655 barrier may be at ground level, such as the pool structure, or mounted on the top of the
1656 pool structure. Where the barrier is mounted on top of the pool structure, the maximum
1657 vertical clearance between the top of the pool structure and the bottom of the barrier shall
1658 be 4 inches (102 mm).

1659 2. Openings in the barrier shall not allow passage of a 4-inch-diameter (102 mm)
1660 sphere.

1661 3. Solid barriers which do not have openings, such as a masonry or stone wall,
1662 shall not contain indentations or protrusions except for normal construction tolerances
1663 and tooled masonry joints.

1664 4. Where the barrier is composed of vertical and horizontal members and the
1665 distance between the tops of horizontal members is less than 45 inches (1,143 mm), the
1666 horizontal members shall be located on the swimming pool side of the fence. Spacing
1667 between vertical members shall not exceed 1.75 inches (44 mm) in width. Where there
1668 are decorative cutouts within vertical members, spacing within the cutouts shall not
1669 exceed 1.75 inches (44 mm) in width.

1670 5. Where the barrier is composed of horizontal and vertical members and the
1671 distance between the tops of the horizontal members is 45 inches (1,143 mm) or more,
1672 spacing between vertical members shall not exceed 4 inches (101 mm). Where there are
1673 decorative cutouts within vertical members, spacing within the cutouts shall not exceed
1674 1.75 inches (44 mm) in width.

1675 6. Maximum mesh size for chain link fences shall be a 2.25 in (57 mm) square
1676 unless the fence is provided with slats fastened at the top or the bottom which reduce the
1677 openings to not more than 1.75 inches (44 mm).

1678 7. Where the barrier is composed of diagonal members, such as a lattice fence,
1679 the maximum opening formed by the diagonal members shall not be more than 1.75
1680 inches (44 mm).

1681 8. Access gates shall comply with the requirements of Section AG105.2, Items 1
1682 through 7, and shall be equipped to accommodate a locking device. Pedestrian access
1683 gates shall open outward away from the pool and shall be self-closing and have a self-
1684 latching device. Gates other than pedestrian access gates shall have a self-latching
1685 device. Where the release mechanism of the self-latching device is located less than 54

1686 inches (1,372 mm) from the bottom of the gate, the release mechanism and openings shall
1687 comply with the following:

1688 8.1 The release mechanism shall be located on the pool side of the barrier at
1689 least 3 inches (76 mm) below the top of the gate, and

1690 8.2 The gate and barrier shall have no opening greater than 1/2 inch (12.7 mm)
1691 within 18 inches (457 mm) of the release mechanism.

1692 9. Where a wall of a building serves as part of the barrier one of the following
1693 conditions shall be met:

1694 9.1 The pool shall be equipped with a powered safety cover in compliance with
1695 ASTM F1346; or

1696 9.2. ~~((All d))~~ Doors with direct access to the pool through that wall shall be
1697 equipped with an alarm which produces an audible warning when the door and its screen,
1698 if present, are opened. The alarm shall be listed in accordance with UL 2017. The
1699 audible alarm shall activate within 7 seconds and shall sound continuously for a
1700 minimum of 30 seconds ~~((immediately))~~ after the door or its screen, if present, is opened
1701 and shall be capable of being heard throughout the house during normal house-hold
1702 activities. The alarm shall automatically reset under all conditions. The alarm system
1703 shall be equipped with a manual means, such as a touchpad or switch, to temporarily
1704 deactivate the alarm for a single opening. Such deactivation shall last not more than 15
1705 seconds. The deactivation switch or switches shall be located at least 54 inches (1,372
1706 mm) above the threshold of the door; or

1707 9.3. Other means of protection , such as self-closing doors with self-latching
1708 devices, which are approved by the building official, shall be acceptable so long as the

1709 degree of protection afforded is not less than the protection afforded by item 9.1 or 9.2
1710 described above.

1711 10. Where an aboveground pool structure is used as a barrier or where the barrier
1712 is mounted on top of the pool structure, and the means of access is a ladder or steps, then:

1713 10.1. The ladder or steps shall be capable of being secured, locked or removed
1714 to prevent access; or

1715 10.2. The ladder or steps shall be surrounded by a barrier which meets the
1716 requirements section AG105.2, of Items 1 through 9. When the ladder or steps are
1717 secured, locked or removed, any opening created shall not allow the passage of a 4-inch
1718 diameter (102 mm) sphere.

1719 SECTION 92. K.C.C. 16.70.020, as amended by this ordinance, is hereby
1720 recodified as a new section in K.C.C. chapter 16.05.

1721 SECTION 93. Resolution 21284, Section 2, and K.C.C. 16.70.020 are each
1722 hereby amended to read as follows:

1723 **Appendix G - Swimming pools, spas and hot tubs - General.** Appendix AG
1724 101 of the International Residential Code is supplemented with the following:

1725 **((Fence)) Barrier required – Exception (IRC AG 105.6).** Every person who
1726 owns real property, or any person who is in possession of real property either as owner,
1727 purchaser under contract, as the lessee, tenant or licensee, and which real property is
1728 located within the boundaries of any residential single-family district zone or which is
1729 located within the boundaries of any suburban residential district, under the zoning code,
1730 and which property is located within the unincorporated area of King County, and upon
1731 which real property there is situated a manmade, hard-surfaced swimming pool; or, any

1732 such person above named who hereinafter constructs upon any real property, as above
1733 designated, a manmade, hard-surfaced swimming pool, shall erect thereon and maintain
1734 thereupon (~~(a solid structure or a fence not less than five feet in height with no opening~~
1735 ~~therein, other than doors or gates, larger than six inches square)) barriers meeting the
1736 requirements of AG 105.2 through AG 105.5. The (~~(fence or other solid structure)) barriers~~
1737 shall completely surround such swimming pool in such a manner as to minimize, as near as
1738 possible, the danger of unsupervised children gaining access thereto. All gates or doors
1739 opening through such enclosure shall be equipped with a self-closing and self-latching
1740 device designed to keep and capable of keeping such doors or gates securely closed at all
1741 times when not in actual use(~~(, and all latches shall be placed at least four and one half feet~~
1742 ~~above the ground or shall be made inaccessible to small children from the outside;~~
1743 ~~provided, however, that the door to any dwelling occupied by human beings and forming~~
1744 ~~any part of the enclosure hereinabove required need not be so equipped)). ((Such fencing~~
1745 ~~and latches)) Barriers shall be installed prior to the filling of the pool with water for use.~~~~

1746 When a swimming pool is located within a yard enclosed by a (~~(fence which))~~
1747 barrier that meets the requirements of this chapter, and when the gates or doors in (~~(said~~
1748 ~~fence)) the barrier meet the requirements of this chapter, (~~(no fence)) a barrier immediately~~
1749 surrounding (~~(said)) the swimming pool shall not be required.~~~~

1750 SECTION 94. K.C.C. 16.70.050, as amended by this ordinance, is hereby
1751 recodified as a new section in K.C.C. chapter 16.05.

1752 SECTION 95. Resolution 21284, Section 5, as amended, and K.C.C. 16.70.050
1753 are each hereby amended to read as follows:

1754 **Appendix G - Swimming pools, spas and hot tubs - General. Appendix AG**

1755 101 of the International Residential Code is supplemented with the following:

1756 **Conformance of existing pools - Time limit for compliance with code - Failure**
1757 **to comply (IRC AG 105.7).** Swimming pools of a type subject to K.C.C. 16.70.020, as
1758 recodified by this ordinance, ((which)) that were in existence on June 6, 1960 but ((which
1759 swimming pools)) that do not possess the safety features required ((herein)) by this chapter
1760 shall, within a period of not to exceed six months from June 6, 1960, be brought into
1761 conformity with the provisions and requirements of this chapter. Swimming pools not
1762 brought into conformity within the time period ((of time herein stipulated)) required by this
1763 section are declared to be a public nuisance and a public hazard, and the owner of the
1764 premises upon which such pools exist shall be subject to the penalties prescribed herein.

1765 **SECTION 96.** Ordinance 12560, Section 74, as amended, and K.C.C. 16.05.130
1766 are each hereby amended to read as follows:

1767 **Appendix K - Sound transmission - Sea-Tac noise program area. Appendix K**
1768 of the International Residential Code is supplemented with the following:

1769 **Appendix K - Sound transmission - Sea-Tac noise program area (IRC**
1770 **AK101.1).** All buildings or structures constructed or placed in use for human occupancy
1771 on sites within the vicinity of Seattle-Tacoma International Airport ((which)) that have
1772 been included within or enclosed by the Port of Seattle's Noise Remedy Program
1773 boundaries shall comply with the provisions in the International Building Code Appendix
1774 ((K)) Z.

1775 **SECTION 97.** Ordinance 14238, Section 19, as amended, and K.C.C. 16.06.020
1776 are each hereby amended to read as follows:

1777 **Disaster damage - critical structures.** Chapter 34 Existing Structures of the
1778 International Building Code is supplemented with the following:

1779 **Critical structures (IBC 3411.2).** For the purpose of the International Building
1780 Code, a "critical structure" means a structure that may require a higher level of repair
1781 after a disaster because of its construction, use, height in stories, occupant load or
1782 location and is one or more of the following:

1783 1. A masonry structure constructed without structural reinforcement or reinforced
1784 only with joint reinforcement;

1785 2. A structure classified as Category III or IV for importance factor as defined by
1786 Table 1604.5 IBC;

1787 3. A structure that is four or more stories in height;

1788 4. ~~((A structure with a Group LC occupancy, as defined by WAC 51-50-0313,~~
1789 ~~having more than ten clients, or having more than five clients total having an evacuation~~
1790 ~~capability classified as II or III, as defined by WAC 51-50-0419;~~

1791 5-)) A structure that contains a Group H occupancy, as defined in IBC 307; or

1792 ~~((6-))~~ 5. A structure that is located in a seismic or landslide hazard area, as
1793 designated in the King County Sensitive Areas Map Folio.

1794 SECTION 98. Ordinance 14238, Section 22, as amended, and K.C.C. 16.06.050
1795 are each hereby amended to read as follows:

1796 **Disaster damage repairs - alternative residential provisions.** Chapter 34
1797 Existing Structures of the International Building Code is supplemented with the
1798 following:

1799 **Alternative residential provisions (IBC 3411.5).** When the structure is not a
1800 critical structure and the damage ratio is greater than ten percent, but less than fifty
1801 percent, conventional stud framed structures which contain detached one or two family
1802 dwellings, or occupancies classified as Group R, Division 3 or Group U or accessory
1803 sheds or ~~((one-story))~~ buildings one story in height and not greater than two thousand
1804 square feet, which are accessory to detached one and two family dwellings, or are
1805 accessory to Group R, Division 3 occupancies, shall, at a minimum, be restored to their
1806 pre-event condition.

1807 **EXCEPTION:**

1808 1. Structures more than 3 stories in height shall comply with IBC 3411.3 as
1809 modified by the codes.

1810 2. On sites in seismic design category D2 as described in IRC Table R301.2(1)
1811 and on sites 2000 feet or more above sea level, repair of buildings and structures in
1812 accordance with this subsection is limited to repair of buildings or structures one or two
1813 stories in height.

1814 3. On sites 2500 feet or more above sea level, repair of buildings and structures in
1815 accordance with this section is limited to repair of one story in height structures.

1816 If structures are restored to their pre-event condition, the following provisions also apply:

1817 1. Damaged required braced panels shall be repaired or replaced.

1818 2. The wood frame shall be attached to the foundation with not less than the
1819 following, or its equivalent: one-half inch anchor bolt at six feet on center where one
1820 floor is supported on the foundation; or one-half inch anchor bolt at four feet on center
1821 where two or three stories are supported on the foundation. Where technically feasible,

1822 anchor bolts shall comply with IBC 2305.3.11, however where compliance with IBC
1823 2305.3.11 is not technically feasible, ((E))each foundation bolt newly installed for
1824 compliance with this section shall be provided with plate washers a minimum of two inch
1825 by two inch by three-sixteenths inch thick. Where the sill plates are exposed during
1826 construction, to the degree feasible, provide anchor bolts in accordance with this section
1827 or provide equivalent anchorage.

1828 3. At each level, in each direction, minimum bracing shall be provided as
1829 follows:

1830 3.1. Braced wall panels shall be in a quantity such that the total amount of
1831 braced wall panels shall be not be less than eighteen percent of the building width at first
1832 story of two stories in height, or second story of three stories in height.

1833 3.2. The total amount of braced wall panels shall be not less than thirty percent
1834 of the building width at the first story of three stories in height.

1835 3.3. Construction of braced wall panels shall be one of the methods listed as
1836 methods 2 through 8 in IBC 2308.9.3, Bracing, or be an approved shear panel. On an
1837 approved shear panel, all elements must comply with the provisions of the listing.

1838 3.4. Braced wall panels shall be installed so that there is no unbraced section
1839 along the wall exceeding thirty-two feet, except that braced wall panels shall be installed
1840 so there is no unbraced section along the wall exceeding twenty-five feet at the first story
1841 of three stories in height.

1842 3.5. No braced wall panel less than two feet in width shall be considered to
1843 satisfy a portion of the overall length requirement, unless fully complying with ~~((all the~~
1844 ~~provisions of the listing of an approved shear panel))~~ the listing of an approved wall

1845 panel or IBC 2308.9.2.3 alternative bracing wall panel adjacent to a door or window
1846 opening.

1847 3.6. Braced wall panels shall be provided with ties to the wall below or to the
1848 foundation to resist overturning where the braced wall panel is less than three feet in
1849 width at the first and second story of three stories in height and first of two stories in
1850 height.

1851 NEW SECTION. SECTION 99. There is hereby added to chapter 16.10 a new
1852 section to read as follows:

1853 **Obstructing exits – General.** Security methods shall not create a hazard to life
1854 by obstructing any means of egress or any opening which is classified as an emergency
1855 exiting facility. Security provisions shall not supercede the safety requirements relative
1856 to latching or locking devices on exit doors which would be contrary to the provisions of
1857 Chapter 10 of the Building Code nor shall the provisions of this chapter be construed to
1858 waive any other provisions of this code.

1859 NEW SECTION. SECTION 100. There is hereby added to chapter 16.10 a new
1860 section to read as follows:

1861 **Obstructing exits – Emergency escape or rescue windows.** Bars, grilles, grates
1862 or similar devices may be installed in an emergency escape or rescue windows or doors
1863 required by the Building Code, only if:

1864 1. The devices are equipped with approved release mechanisms which are
1865 openable from the inside without the use of a key or special knowledge or effort: and

1866 2. The building is equipped with smoke detectors installed in accordance with the
1867 Building Code.

1868 NEW SECTION. SECTION 101. There is hereby added to chapter 16.10 a new
1869 section to read as follows:

1870 **Hinges.** When hinges are exposed to the exterior, at least one of the three
1871 required hinges shall be equipped with nonremoveable hinge pins or a mechanical
1872 interlock to preclude removal of the door from the exterior by removing the hinge pins.
1873 Not less than three 4 1/2 inch (114mm) steel putt hinges shall be symmetrically fastened
1874 to both the door and frame with not less that four No, 9 by 3/4-inch (19mm) wood screws
1875 or to metal with not less than four No. 8 machine screws.

1876 In wood construction, an open space between trimmers and wood doorjams shall
1877 be solid shimmed extending not less than 6 inches (152 mm) above and below the plate.

1878 SECTION 102. Ordinance 14111, Section 118, as amended, and K.C.C. 16.12.010
1879 are each hereby amended to read as follows:

1880 **Adoption.** The 2006 International Mechanical Code, with Appendix A, as
1881 amended in chapter 51-52 WAC effective July 1, (~~2004~~) 2007, as published by or
1882 jointly with the International Code Council, Inc, together with amendments, additions and
1883 deletions hereinafter adopted by reference, together with the state building code and with
1884 King County modifications which shall be adopted and codified in this chapter are
1885 adopted as the King County mechanical code and hereinafter referred to as "IMC."

1886 NEW SECTION. SECTION 103. There is hereby added to chapter 16.12 a new
1887 section to read as follows:

1888 **Administration.** Chapter 1 of the International Mechanical Code is not adopted
1889 and Chapter 1 of the International Building Code as amended in K.C.C. chapter 16.02 is
1890 substituted.

1891 SECTION 104. Ordinance 14111, Section 129, as amended, and K.C.C.

1892 16.14.010 are each hereby amended to read as follows:

1893 **Adoption.** The International Property Maintenance Code, ((2003)) 2006 Edition,
1894 as published by the International Code Council, together with amendments, additions and
1895 deletions hereinafter adopted by reference, together with King County modifications
1896 which shall be adopted and codified in this chapter are adopted as the King County
1897 property maintenance code and hereinafter referred to as "IPMC." Chapter 8, Referenced
1898 Standards, is not adopted.

1899 SECTION 105. Ordinance 14238, Section 7, as amended, and K.C.C. 16.14.320
1900 are each hereby amended to read as follows:

1901 **Emergency measures - Rapid abatement plan - applicability.** Section 109 of the
1902 International Property Maintenance Code is supplemented with the following:

1903 **Rapid abatement plan - applicability (IPMC 109.9).** A rapid abatement plan
1904 must be prepared for structures determined by the code official to be an immediately
1905 hazardous and dangerous structure, which is an imminent hazard to public health and safety
1906 or an imminent threat to the public right-of-way.

1907 **EXCEPTION:** Where the owner or owner's agent chooses to proceed with
1908 demolition of a building determined by the code official to be an immediately hazardous
1909 and dangerous structure, which is an imminent hazard to public health and safety or an
1910 imminent threat to the public right-of-way, the owner shall submit an application for an
1911 emergency demolition permit in lieu of preparing a rapid abatement plan. If the owner or
1912 owner's agent has submitted an application for an emergency demolition permit in lieu of
1913 preparing a rapid abatement plan, a rapid abatement plan need not be prepared.

1914 NEW SECTION. SECTION 106. A new section is hereby added to chapter
1915 16.14 to read as follows:

1916 **Emergency measures - Emergency demolition permit in lieu of preparing a**
1917 **rapid abatement plan.** Section 109. of the International Property Maintenance Code is
1918 supplemented with the following:

1919 **Emergency measures -- Emergency demolition permit in lieu of preparing a**
1920 **rapid abatement plan (IMPC 109.9.1)** If the owner or owner's agent submits an
1921 application for an emergency demolition permit in lieu of preparing a rapid abatement
1922 plan, the owner or owner's agent shall state that he or she is applying for an emergency
1923 demolition permit in lieu of preparing a required rapid abatement plan and the owner or
1924 owner's agent shall provide:

- 1925 1. The names of all owners of the structure;
- 1926 2. The address of the structure; and
- 1927 3. A plan describing the method for demolishing the structure while protecting
1928 the public health and safety and maintaining appropriate access to the public right-of-
1929 way.

1930 SECTION 107. Ordinance 14238, Section 9, as amended, and K.C.C. 16.14.340
1931 are each hereby amended to read as follows:

1932 **Emergency measures - Rapid abatement - assessment of immediacy and**
1933 **notification.** Section 109 of the International Property Maintenance Code is supplemented
1934 with the following:

1935 **Rapid abatement - assessment of immediacy and notification (IPMC 109.11).**

1936 1. The code official shall be responsible for determining whether a structure, or a
1937 portion thereof, damaged by a disaster, is an immediately hazardous and dangerous
1938 structure, as defined in K.C.C. 16.03.180, and represents an imminent hazard to public
1939 health and safety or poses an imminent threat to the public right-of-way.

1940 2. Unless extenuating circumstances exist, a disaster-damaged structure surrounded
1941 by securely fenced yard for a distance equal to one and one-half times the height of the
1942 structure will not be considered to represent an imminent hazard to public health and safety
1943 or pose an imminent threat to the public right-of-way.

1944 3. When the code official identifies a structure to be an immediately hazardous and
1945 dangerous structure, which is an imminent hazard to public health and safety or an
1946 imminent threat to the public right-of-way, the structure shall be posted with a placard
1947 which identifies it as an immediately hazardous and dangerous structure, requires that a
1948 rapid abatement plan or an application for an emergency demolition permit in lieu of
1949 preparing a rapid abatement plan be submitted and identifies the time frame for when it
1950 must be submitted.

1951 4. The owner shall be notified within twenty-four hours of posting by telephone,
1952 fax, mailing or any other method determined by the director, that the structure has been
1953 determined to be an immediately hazardous and dangerous structure, which is an imminent
1954 hazard to public health and safety or an imminent threat to the public right-of-way, that a
1955 rapid abatement plan or an application for an emergency demolition permit in lieu of
1956 preparing a rapid abatement plan is required and the time frame for when it must be
1957 submitted. Failure to successfully notify the owner under this section shall not invalidate

1958 the requirement for a rapid abatement plan or an application for an emergency demolition
1959 permit or change the time frame.

1960 5. The code official shall notify the King County office of historic preservation if
1961 any historic structure, as identified in K.C.C. 16.03.170, has been determined to be an
1962 immediately hazardous and dangerous structure, which is an imminent hazard to public
1963 health and safety or an imminent threat to the public right-of-way, and requiring rapid
1964 abatement. The abatement, by repair, alteration, restoration, rehabilitation or demolition
1965 and removal, of disaster-damaged historic structures shall comply with the provisions of
1966 this code.

1967 SECTION 108. Ordinance 14238, Section 11, as amended, and K.C.C. 16.14.360
1968 are each hereby amended to read as follows:

Emergency measures - Rapid abatement plan - time frame for submittal.

1970 Section 109 of the International Property Maintenance Code is supplemented with the
1971 following:

Rapid abatement plan - time frame for submittal (IPMC 109.13). The

1973 following time frames are established for the submittal of a rapid abatement plan or an
1974 application for an emergency demolition permit in lieu of preparing a rapid abatement plan.

1975 A maximum of two extensions, of forty-eight hours each, may be added to the initial time
1976 frame established for submittal of the rapid abatement plan or an application for an
1977 emergency demolition permit in lieu of preparing a rapid abatement plan. The time frames
1978 are measured from the time of posting the placard on the structure. Immediate demolition
1979 or abatement can occur prior to submittal of the rapid abatement plan or an application for

1980 an emergency demolition permit in lieu of preparing a rapid abatement plan, when
1981 indicated. The street groups are classified in K.C.C. 16.21.080.

1982 1. When a structure has more than a minimal potential for immediate collapse, the
1983 following time frames apply:

1984 1.1. When a structure represents an imminent threat to public health and safety,
1985 the owner is required to immediately abate the structure and submit an abatement plan, or
1986 an application for an emergency demolition permit in lieu of preparing a rapid abatement
1987 plan or a statement of emergency demolition within seventy-two hours of abatement.

1988 1.2. When a structure does not represent an imminent threat to public health and
1989 safety, but threatens a Group I street or road and an alternative route is available, the
1990 owners is required to submit an abatement plan or an application for an emergency
1991 demolition permit in lieu of preparing a rapid abatement plan within seventy-two hours.
1992 When no alternative route is available, the owner is required to immediately abate the
1993 structure, and submit an abatement plan or an application for an emergency demolition
1994 permit in lieu of preparing a rapid abatement plan or a statement of emergency demolition
1995 within seventy-two hours of abatement.

1996 1.3. When a structure does not represent an imminent threat to public health and
1997 safety, but threatens a Group II street or road and an alternative route is available, the
1998 owner is required to submit an abatement plan or an application for an emergency
1999 demolition permit in lieu of preparing a rapid abatement plan within seventy-two hours.
2000 When no alternative route is available, the owner is required to submit an abatement plan or
2001 an application for an emergency demolition permit in lieu of preparing a rapid abatement
2002 plan within forty-eight hours.

2003 1.4. When a structure does not represent an imminent threat to public health and
2004 safety, but threatens a Group III street or road and an alternative route is available, the
2005 owner is required to submit an abatement plan or an application for an emergency
2006 demolition permit in lieu of preparing a rapid abatement plan within five days. When no
2007 alternative route is available, the owner is required to submit an abatement plan or an
2008 application for an emergency demolition permit in lieu of preparing a rapid abatement plan
2009 within seventy-two hours.

2010 2. When a structure is damaged, but threat of collapse is not great and the structure
2011 creates only minor or no risk to life or property and no street or road is threatened, rapid
2012 abatement procedures do not apply.

2013 NEW SECTION. SECTION 109. There is hereby added to chapter 16.14 a new
2014 section to read as follows:

2015 **Emergency measures - a statement of emergency demolition.** Section 109 of
2016 the International Property Maintenance Code is supplemented with the following:

2017 **Statement of emergency demolition (IPMC 109.14.).** When indicated that
2018 immediate demolition or abatement can occur prior to submittal of the rapid abatement
2019 plan or prior to submittal for emergency demolition permit in lieu of preparing a rapid
2020 abatement plan and when demolition occurs prior to the submittal of a rapid abatement
2021 plan or prior to an application for an emergency demolition permit in lieu of preparing a
2022 rapid abatement plan and when allowed by the building official the owner or owner's
2023 agent can submit a statement of emergency demolition following demolition of the
2024 structure in lieu of either a rapid abatement plan or an application for an emergency
2025 demolition permit in lieu of preparing a rapid abatement plan.

2026 NEW SECTION. SECTION 110. There is hereby added to chapter 16.14 a new
2027 section to read as follows:

2028 **Emergency measures - a statement of emergency demolition - contents.**

2029 Section 109 of the International Property Maintenance Code is supplemented with the
2030 following:

2031 **Statement of emergency demolition - contents (IPMC 109.14.1).** The statement
2032 of emergency demolition shall consist of:

- 2033 1. The names of all owners of the structure;
- 2034 2. The names of all owners of the property if different from the owners of the
2035 structure;
- 2036 3. The address of the structure;
- 2037 4. The date and time the demolition was completed.

2038 SECTION 111. Ordinance 14238, Section 12, as amended, and K.C.C. 16.14.370
2039 are each hereby amended to read as follows:

2040 **Emergency measures - Rapid abatement plan - street and road groups.**

2041 Section 109 of the International Property Maintenance Code is supplemented with the
2042 following:

2043 **Rapid abatement plan - street and road groups (IPMC ((109.14)) 109.15).** The
2044 following street and road groups apply to the time frames established by K.C.C. 16.14.360.
2045 These classifications are based on the King County Road Standards.

- 2046 1. Group I streets and roads are principal arterial, minor arterial, collector arterial
2047 or "collector" and neighborhood collectors.
- 2048 2. Group II streets and roads are subcollectors and business access streets.

2049 3. Group III streets and roads are subaccess streets, minor access streets
2050 (Residential), multiple dwelling access streets, industrial access streets and minor access
2051 streets (Commercial).

2052 SECTION 112. Ordinance 14238, Section 13, as amended, and K.C.C. 16.14.380
2053 are each hereby amended to read as follows:

2054 **Emergency measures - Rapid abatement plan - time frame for completion of**
2055 **abatement.** Section 109 of the International Property Maintenance Code is supplemented
2056 with the following:

2057 **Rapid abatement plan - time frame for completion of abatement (IPMC**
2058 **(~~109.15~~) 109.16).** Approval by the code official of the rapid abatement plan or the
2059 application for emergency demolition in lieu of a rapid abatement plan constitutes authority
2060 to proceed with abatement. If the code official approves the rapid abatement plan or the
2061 application for an emergency demolition permit in lieu of preparing a rapid abatement plan,
2062 the owner, or owner's agent, shall complete abatement in accordance with the plan within
2063 forty-eight hours of obtaining approval of the plan. Within twenty-four hours of
2064 completion of the abatement work, the owner, or owner's agent, shall provide the code
2065 official with a written signed verification that the abatement has been completed in
2066 conformance with the approved rapid abatement plan. When the abatement includes
2067 structural repairs, the verification shall include a written, signed and stamped report from
2068 the owner's architect or structural or civil engineer attesting that the engineer has visited the
2069 site and that repairs have been completed in general conformance with the approved rapid
2070 abatement plan or an application for emergency demolition permit in lieu of preparing a
2071 rapid abatement plan. This written signed and stamped report from the owner's architect or

2072 structural or civil engineer and the written and signed verification by the owner or owner's
2073 agent may be made by completing and signing and standard form provided by the
2074 department of development and environmental services.

2075 NEW SECTION. SECTION 113. There is hereby added to chapter 16.14 to read
2076 as follows:

2077 **Emergency measures - Emergency demolition permit in lieu of preparing a**
2078 **rapid abatement plan - disapproval by the code official.** Section 109 of the
2079 International Property Maintenance Code is supplemented with the following:

2080 **Emergency demolition permit in lieu of preparing a rapid abatement plan -**
2081 **disapproval by the code official (IPMC 109.17).** In each case where an application for
2082 an emergency demolition permit in lieu of preparing rapid abatement plan is disapproved,
2083 the code official shall state the reasons for disapproval to the owner, or the owner's agent.
2084 Notice of disapproval can be either by direct conversation, a telephone conversation, fax,
2085 a written notice of disapproval mailed to the owner, or owner's agent, or any other
2086 method determined by the code official. Regardless of the method used for notice of
2087 disapproval, the owner, or the owner's agent, must submit a revised application for an
2088 emergency demolition permit in lieu of preparing a rapid abatement plan addressing the
2089 deficiencies noted by the code official in the notice of disapproval within seventy-two
2090 hours.

2091 SECTION 114. Ordinance 14238, Section 14, as amended, and K.C.C. 16.14.390
2092 are each hereby amended to read as follows:

2093 **Emergency measures - Rapid abatement plan - disapproval by the code**
2094 **official.** Section 109 of the International Property Maintenance Code is supplemented with
2095 the following:

2096 **Rapid abatement plan - disapproval by the code official (IPMC ((109.16))**
2097 **109.18).** In each case where a rapid abatement plan is disapproved, the code official shall
2098 state the reasons for disapproval to the owner, or the owner's agent. Notice of disapproval
2099 can be either by direct conversation, a telephone conversation, fax, a written notice of
2100 disapproval mailed to the owner, or owner's agent, or any other method determined by the
2101 code official. Regardless of the method used for notice of disapproval, the owner, the
2102 owner's agent, must submit a revised rapid abatement plan addressing the deficiencies
2103 noted by the code official in the notice of disapproval within seventy-two hours.

2104 SECTION 115. Ordinance 14238, Section 15, as amended, and K.C.C. 16.14.400
2105 are each hereby amended to read as follows:

2106 **Emergency measures - Rapid abatement by the code official.** Section 109 of the
2107 International Property Maintenance Code is supplemented with the following:

2108 **Rapid abatement by the code official (IPMC ((109.17)) 109.19).** The code
2109 official is authorized to abate a structure which is identified to be an immediately hazardous
2110 and dangerous structure, which is an imminent hazard to public health and safety or an
2111 imminent threat to the public right-of-way, in the following cases:

- 2112 1. If the owner fails to respond to the notice of abatement, responds untimely, or
2113 responds timely but fails to complete abatement within the required time frame; or
2114 2. If the owner cannot be located within the established time frame; or

2115 3. When the code official determines the structures is an imminent hazard to public
2116 health and safety or an imminent threat to the public right-of-way, which must be abated
2117 immediately.

2118 SECTION 116. Ordinance 6746, Section 5, as amended, and K.C.C. 16.32.030
2119 are each hereby amended to read as follows:

2120 **Adoption of Uniform Plumbing Code.** ~~((The Uniform Plumbing Code, Chapters~~
2121 ~~1 through 10, with Appendices "A" through "D", 1991 Edition, IAPMO Installation~~
2122 ~~Standards, 1991 Edition, 2-90, 3-89, 4-90, 5-90, 6-89, 7-90, 8-89, 9-90, 10-90, 11-87,~~
2123 ~~12-90, 13-84, 17-90, 18-85, 20-90, 21-89, 22-90, 23-90, 24-90, 25-90, and Chapter 22 of~~
2124 ~~the 1991 Uniform Mechanical Code all published by the International Association of~~
2125 ~~Plumbing and Mechanical Officials, are hereby adopted and together with the provisions~~
2126 ~~of this chapter shall constitute the official Plumbing Code of King County.)) A.~~

2127 Chapters 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, and 16 and Appendix A, B, and I of the
2128 Uniform Plumbing Code, 2006 Edition, as published by or jointly with the International
2129 Association of Plumbing and Mechanical Officials and as amended in chapters 51-56
2130 WAC and 51-57 WAC, and the gas piping provisions of the International Fuel Gas Code,
2131 2006 Edition, the National Fuel Gas Code, 2006 Edition (2002 NFPA 54), the Liquefied
2132 Petroleum Gas Code, 2004 Edition (2001 NFPA 58) as amended in chapter 51-52 WAC,
2133 and the International Residential Code, 2006 Edition, as amended in chapter 51-51 WAC,
2134 are hereby adopted and together with King County amendments, additions and deletions
2135 adopted in this chapter are adopted as the King County Plumbing Code and may be cited
2136 as such and referred to in this chapter as "this code." This ~~((chapter))~~ code shall have
2137 precedence over documents adopted by reference.

2138 B. This code also may be further clarified and implemented by administrative
2139 rules adopted in accordance with K.C.C. chapter 2.98.

2140 SECTION 117. Ordinance 6746, Section 7, and K.C.C. 16.32.050 are each
2141 hereby amended to read as follows:

2142 **Enforcement.** ~~((A. Authority to abate. Any portion of a plumbing system found~~
2143 ~~by the administrative authority to be insanitary as defined in this code is hereby declared~~
2144 ~~to be a nuisance.~~

2145 ~~B. Faulty plumbing system shall be abated. Where a nuisance exists or a~~
2146 ~~plumbing system is maintained in violation of this code or any notice issued pursuant to~~
2147 ~~this section, the administrative authority shall require such nuisance or violation to be~~
2148 ~~abated and shall take such steps as may be necessary to abate the same in the manner~~
2149 ~~provided by law.~~

2150 ~~C. Plumbing system shall comply with code. If an any time the administrative~~
2151 ~~authority shall find that any plumbing system is not in compliance with this code, or is~~
2152 ~~otherwise unlawful, or dangerous or insanitary, or a menace to life, health or property, he~~
2153 ~~is authorized to give notice of the corrections to the agent, owner or occupant of personal~~
2154 ~~service, or by mail, or by posting on the premises.)) The authority having jurisdiction is~~
2155 authorized to enforce this code in accordance with K.C.C. Title 23 except as specifically
2156 otherwise provided in this code.

2157 SECTION 118. Ordinance 6746, Section 10, as amended, and K.C.C. 16.32.080
2158 are each hereby amended to read as follows:

2159 **Fees – permit fees – double permit fee requirements – fees for reinspection**
2160 **service.**

2161 A. An applicant for a permit to do work under this code shall pay for each permit,
2162 at the time of issuance, a fee in accordance with the following schedule, and at the rate
2163 provided for each permit classification shown in the schedule:

2164 SCHEDULE OF FEES

2165 Base plumbing permit fee for one fixture or trap, other than double check valve
2166 assemblies or reduced pressure principle backflow prevention devices, for which a
2167 separate permit shall be obtained at the rates in this schedule \$110.00

2168 For each additional plumbing fixture or trap, including water drainage vent piping and
2169 backflow protection therefor \$12.00

2170 For each atmospheric vacuum breaker in irrigation systems, tanks, vats, etc. or for
2171 installation on unprotected plumbing fixtures including necessary water piping:

2172 Vacuum breaker – one to five – each device \$10.00

2173 Vacuum breaker – over five – each device \$5.00

2174 Pressure vacuum breaker \$10.00

2175 Reduced pressure principle backflow prevention device or double check valve
2176 assembly:

2177 Base plumbing permit for one device or assembly. \$110.00

2178 Each additional device or assembly \$12.00

2179 FEES FOR MISCELLANEOUS INSPECTION SERVICES

2180 Fees for inspection service outside regular working hours or for inspection service
2181 requested but not covered by a permit will be charged for at a rate equal to the cost of
2182 performing the service.

2183 Fees for permanent location inspection of factory housing or modular unit containing
2184 plumbing – For each single-family dwelling or each modular unit containing
2185 plumbing \$20.00

2186 Plumbing permit includes on-site connections of building drain extensions, water
2187 service and necessary gas piping connections.

2188 Additional plumbing fixtures installed after factory installation of plumbing for each
2189 plumbing fixture or trap \$10.00

2190 Fees for reconnection and retest of plumbing systems in relocated buildings – For each
2191 building containing plumbing \$20.00

2192 Plumbing permit includes on-site connections of building drain extensions, water
2193 service and necessary gas piping connections.

2194 Additional plumbing fixtures installed after relocation of building for each plumbing
2195 fixture or trap \$10.00

2196 For the purpose of this section, "fixture" means an appliance that is connected
2197 with a water, drain or vent pipe, but a sillcock faucet or hose bibb is not considered a
2198 fixture. A sanitary plumbing outlet on or to which a plumbing fixture or appliance may
2199 be set or attached is a fixture.

2200 B. Any person who commenced work for which a permit is required by this code
2201 without first having obtained the permit((s)) shall upon subsequent application for the
2202 permit pay double the fee fixed by the schedule of fees for the work in subsection A of
2203 this section unless it is proved to the satisfaction of the ((administrative)) authority
2204 having jurisdiction that the work was urgently necessary and that it was not practical to
2205 obtain a permit before the commencement of the work. In all such emergency cases, a

2206 permit shall be obtained as soon as it is practical to do so, and if there is an unreasonable
2207 delay in obtaining the permit, a double fee shall be charged as provided in this code.

2208 C. A reinspection fee of one hundred fifteen dollars may be assessed for each
2209 inspection or reinspection if the portion of work for which inspection is called is not
2210 complete or if corrections called for are not made. This subsection does not require
2211 inspection fees the first time a job is rejected for failure to comply with this code, but as
2212 controlling the practice of calling for inspection or reinspection. Reinspection fees may
2213 be assessed if the permit is not properly posted on the work site, the work to be inspected
2214 is not under test, for failure to provide access on the date for which inspection is
2215 requested or for failure to make required corrections. Requests for reinspection shall be
2216 made in writing upon forms furnished for that purpose, and shall be accompanied by the
2217 reinspection fee in accordance with this section. If reinspection fees have been assessed,
2218 additional inspection of the work shall not be performed until the required fees have been
2219 paid.

2220 D. If the work for which a permit fee has been paid is not started, the
2221 ((administrative)) authority having jurisdiction, upon proper application for refund and
2222 surrender of the permit for cancellation, shall issue a refund. In determining the amount
2223 of refund due, the ((administrative)) authority having jurisdiction shall deduct the amount
2224 of the basic fee to cover the cost of administration of the permit. A refund shall not be
2225 made for an expired permit.

2226 SECTION 119. Ordinance 6746, Section 19, as amended, and K.C.C. 16.32.170
2227 are each hereby amended to read as follows:

2228 **Board of appeals.**

2229 A. A board of appeals shall be established and shall consist of six voting
2230 members ~~((with))~~ as follows:

2231 1. ~~((o))~~One member representing journeyman plumbers~~((s))~~;

2232 2. One member representing plumbing contractors~~((s))~~;

2233 3. One member representing professional mechanical engineers ~~((and))~~;

2234 4. One member representing building owners; and

2235 5. ~~((t))~~Two members representing the public.

2236 The ~~((administrative))~~ authority having jurisdiction shall serve as a nonoting member of
2237 the board. The board of appeals shall elect a chair and a secretary who shall serve at the
2238 pleasure of the board.

2239 B. Any party aggrieved by a decision of the ~~((administrative))~~ authority having
2240 jurisdiction made ~~((in accordance with))~~ pursuant to this code either in the context of a
2241 specific project or permit application or in the context of an application for approval of an
2242 alternate material or method of construction, or both, may file a written petition for
2243 appeal to the board~~((s))~~ accompanied by a nonrefundable fee of one hundred dollars.

2244 Appeals shall be heard at reasonable times at the convenience of the board, but not later
2245 than thirty days after receipt of the petition. However, this time requirement may be
2246 waived by written agreement between the ~~((administrative))~~ authority having jurisdiction
2247 and the appellant if doing so will facilitate resolution of the dispute. The appellant shall
2248 be entitled to appear in person before the board, to be represented by an attorney, and to
2249 introduce evidence in support of such petition. The appellant shall cause to be made at
2250 the appellant's own expense any test or research required by the board for the
2251 substantiation of any claim or claims made by the appellant. The board of appeals shall

2252 determine whether a correct interpretation of this code has been made by the
2253 ((administrative)) authority having jurisdiction.

2254 C. Decisions of the board((;)) shall be in writing((; shall be)), distributed to the
2255 ((administrative)) authority having jurisdiction and the appellant((;)) and ((shall)) apply
2256 only to the case being heard. Board decisions are deemed issued on the date that the
2257 decision is delivered to the appellant or the appellant's counsel or, if the decision is
2258 mailed, on the date of mailing. A person aggrieved by a decision of the board may
2259 appeal the decision of the board to the King County hearing examiner as provided in
2260 K.C.C. chapter 20.24.

2261 D. The board may make recommendations to the ((administrative)) authority
2262 having jurisdiction for changes in the code.

2263 NEW SECTION. SECTION 120. There is hereby added to K.C.C. chapter 16.32
2264 a new section to read as follows:

2265 **Scope.** Section 101.4.1 of the Uniform Plumbing Code is not adopted and the
2266 following is substituted:

2267 Scope (UPC 101.4.1). The provisions of this code shall apply to the erection,
2268 installation, alteration, repair, relocation, replacement, addition to, use, or maintenance of
2269 any plumbing system except as specifically otherwise provided in this code.

2270 NEW SECTION. SECTION 121. There is hereby added to K.C.C. chapter 16.32
2271 a new section to read as follows:

2272 **Additions, Alterations or Repairs.** Section 101.5.1 of the Uniform Plumbing
2273 Code is not adopted and the following is substituted:

2274 Additions, Alterations, or Repairs (UPC 101.5.1). Additions, alterations, or
2275 repairs may be made to any plumbing system without requiring the existing plumbing
2276 system to comply with all the requirements of this code, provided the addition, alteration,
2277 or repair conforms to that required for a new plumbing system. Additions, alterations, or
2278 repairs shall not cause or allow an existing system to become unsafe, insanitary, or
2279 overloaded.

2280 NEW SECTION. SECTION 122. There is hereby added to K.C.C. chapter 16.32
2281 a new section to read as follows:

2282 **Authority Having Jurisdiction.** Section 102.1 of the Uniform Plumbing Code is
2283 not adopted and the following is substituted:

2284 Authority Having Jurisdiction (UPC 102.1). The authority having jurisdiction is
2285 the director of the Seattle-King County department of public health or the director's
2286 authorized representative, who shall administer and enforce the provisions of this code.

2287 NEW SECTION. SECTION 123. There is hereby added to K.C.C. chapter 16.32
2288 a new section to read as follows:

2289 **Right of Entry.** Section 102.2.2 of the Uniform Plumbing Code is not adopted
2290 and the following is substituted:

2291 Right of Entry (102.2.2). Upon presentation of proper credentials, the authority
2292 having jurisdiction may, with the consent of the occupant or with the consent of the
2293 owner of an unoccupied building or premises, or in accordance with a lawfully issued
2294 search warrant, enter at reasonable times a building or premises to perform a duty
2295 imposed upon the authority having jurisdiction by this code, provided that the authority
2296 having jurisdiction shall make entry only if such entry is consistent with the constitutions

2297 and laws of the United States and the state of Washington.

2298 NEW SECTION. SECTION 124. There is hereby added to K.C.C. chapter 16.32
2299 a new section to read as follows:

2300 **Stop Work Order and Correction Order.** Section 102.2.3 of the Uniform
2301 Plumbing Code is not adopted and the following is substituted:

2302 Stop Work Order and Correction Order (UPC 102.2.3) A. Whenever any work is
2303 being done contrary to the provisions of this code, the authority having jurisdiction may
2304 order the work stopped by notice in writing served on any persons engaged in the doing
2305 or causing such work to be done, and any such persons shall forthwith stop work until
2306 authorized by the authority having jurisdiction to proceed with the work. Service of a
2307 stop work order shall be made by one or more of the following methods:

2308 Personal service: Personal service of a stop work order may be made on the
2309 property owner and/or on any person doing or causing the work to be done, or by leaving
2310 the stop work order at the house of usual abode of the person being served, provided that
2311 the stop work order is left with a person of suitable age and discretion who resides there.

2312 Service by posting on the property: Service directed to the property owner and/or
2313 person engaged in doing or causing such work to be done may be made by posting the
2314 stop work order in a conspicuous place on the property where the work is occurring, and
2315 concurrently mailing notice as provided for below, if a mailing address is available.

2316 Service by mail: Service by mail may be made for a stop work order by mailing
2317 two copies, postage prepaid, one by ordinary first class mail and the other by certified
2318 mail, to the property owner and to any person engaged in doing or causing such work to
2319 be done, at his or her last known address, at the address of the location of the work being

2320 done, or at the address of the place of business of the person being served. The
2321 taxpayer's address as shown on the tax records of the county shall be deemed to be the
2322 proper address for the purpose of mailing such notice to the person being served. Service
2323 by mail shall be presumed effective upon the third business day following the day upon
2324 which the stop work order was placed in the mail.

2325 B. Whenever any work is being done contrary to the provisions of this code, the
2326 authority having jurisdiction may order the violations corrected without ordering all work
2327 stopped by issuing a correction notice that identifies the violation. The correction notice
2328 may require an inspection before further construction or at the time of the next required
2329 inspection. The correction notice shall be served or posted in the same manner as a stop
2330 work order.

2331 C. The remedies set forth in this section are in addition to those authorized
2332 elsewhere in this code.

2333 NEW SECTION. SECTION 125. There is hereby added to K.C.C. chapter 16.32
2334 a new section to read as follows:

2335 **Authority to Correct Hazardous or Insanitary Plumbing.** Section 102.2.5 of
2336 the Uniform Plumbing Code is not adopted and the following is substituted:

2337 **Authority to Correct Hazardous or Insanitary Plumbing (UPC 102.2.5).**

2338 Whenever the authority having jurisdiction ascertains that any plumbing system or
2339 portion thereof, regulated by this code, has become hazardous to life, health, property, or
2340 has become insanitary, the authority having jurisdiction shall order in writing that such
2341 plumbing either be removed or placed in a safe or sanitary condition, as appropriate. The

2342 order shall fix a reasonable time limit for compliance. No person shall use or maintain
2343 defective plumbing after receiving such notice.

2344 When such plumbing system is to be disconnected, written notice shall be given.
2345 In cases in which the authority having jurisdiction has determined that immediate danger
2346 to life or property exists, the authority having jurisdiction may cause such disconnection
2347 to be made immediately without such notice.

2348 NEW SECTION. SECTION 126. There is hereby added to K.C.C. chapter 16.32
2349 a new section to read as follows:

2350 **Liability Claims.** Section 102.2.6 of the Uniform Plumbing Code is not adopted
2351 and the following is substituted:

2352 Liability Claims (UPC 102.2.6). This code is enacted as an exercise of the police
2353 power of King County to protect and preserve the public peace, health, safety and
2354 welfare, and its provisions shall be liberally construed for the accomplishment of these
2355 purposes. It is expressly the purpose of this code to provide for and promote the health,
2356 safety and welfare of the general public, and not to create or otherwise establish or
2357 designate any particular class or group of persons who will or should be especially
2358 protected or benefited by the terms of this code.

2359 It is the specific intent of this code to place the obligation of complying with its
2360 requirements upon the owner or occupier of premises within this code's scope, and no
2361 provision nor term used in this code is intended to impose any duty whatsoever upon the
2362 authority having jurisdiction or any of the authority having jurisdiction's officers or
2363 employees, for whom the implementation or enforcement of this code shall be
2364 discretionary and not mandatory.

2365 Nothing in this code creates or forms the basis for any liability on the part of the
2366 authority having jurisdiction, or the authority having jurisdiction's officers, employees or
2367 agents, for any injury or damage resulting from the failure of the owner or occupier of
2368 premises to comply with the provisions of this code, or by reason or in consequence of
2369 any act or omission in connection with the implementation or enforcement of this code on
2370 the part of the authority having jurisdiction or by the authority having jurisdiction's
2371 officers, employees or agents.

2372 Any claim or litigation arising from any conduct, acts or omissions of the
2373 authority having jurisdiction, or any of the authority having jurisdiction's officers,
2374 employees or agents, shall be subject to the provisions of K.C.C. chapters 4.12 and 4.13.

2375 NEW SECTION. SECTION 127. There is hereby added to K.C.C. chapter 16.32
2376 a new section to read as follows:

2377 **Violations.** Section 102.3.1 of the Uniform Plumbing Code is not adopted and
2378 the following is substituted:

2379 Violations (UPC 102.3.1). It shall be unlawful for any person, firm, corporation
2380 or other entity to erect, construct, enlarge, alter, repair, move, improve, remove, convert,
2381 demolish, equip, use, or maintain any plumbing or permit the same to be done in
2382 violation of this code.

2383 NEW SECTION. SECTION 128. There is hereby added to K.C.C. chapter 16.32
2384 a new section to read as follows:

2385 **Penalties.** Section 102.3.2 of the Uniform Plumbing Code is not adopted and the
2386 following is substituted:

2387 Penalties (UPC 102.3.2). Any person, firm, corporation or other entity violating
2388 any provision of this code shall be deemed guilty of a misdemeanor, and upon conviction
2389 thereof, shall be punishable by a fine and/or imprisonment in accordance with K.C.C.
2390 Title 23 or state law. Each separate day or any portion thereof, during which any
2391 violation of this code occurs or continues, shall be deemed to constitute a separate
2392 offense.

2393 NEW SECTION. SECTION 129. There is hereby added to K.C.C. chapter 16.32
2394 a new section to read as follows:

2395 **Permits Required.** Section 103.1.1 of the Uniform Plumbing Code is not
2396 adopted and the following is substituted:

2397 Permits Required (UPC 103.1.1). It shall be unlawful for any person, firm,
2398 corporation or other entity to make any installation, alteration, repair, replacement, or
2399 remodel any plumbing system regulated by this code except as permitted in Section
2400 103.1.2, or to cause the same to be done without first obtaining a separate plumbing
2401 permit for each separate building or structure.

2402 NEW SECTION. SECTION 130. There is hereby added to K.C.C. chapter 16.32
2403 a new section to read as follows:

2404 **Certification and Registration.** Section 103.1.3 of the Uniform Plumbing Code
2405 is not adopted and the following is substituted:

2406 103.1.3 Certification and Registration (UPC 103.1.3). It shall be the obligation
2407 of every person who enters into contracts for the installation or repair of plumbing
2408 systems for which this code requires a permit, to comply with all applicable state or local
2409 rules and regulations concerning plumber certification and contractor registration.

2410 NEW SECTION. SECTION 131. There is hereby added to K.C.C. chapter 16.32
2411 a new section to read as follows:

2412 **Section 103.3.3 Validity of Permit.** Section 103.3.3 of the Uniform Plumbing
2413 Code is not adopted and the following is substituted:

2414 Validity of Permit (UPC 103.3.3). The issuance of a permit or approval of plans
2415 and specifications shall not be construed to be a permit for, or an approval of, any
2416 violation of any of the provisions of this code or of any other ordinance of the
2417 jurisdiction. No permit presuming to give authority to violate or cancel the provisions of
2418 this code shall be valid.

2419 The issuance of a permit based upon plans, specifications or other data shall not
2420 prevent the authority having jurisdiction from thereafter requiring the correction of errors
2421 contained in said plans, specifications and other data or from preventing building
2422 operations being carried on thereunder when in violation of this code or of other
2423 ordinances of this jurisdiction.

2424 Every plumbing permit shall be kept on the site where the work permitted is being
2425 performed and shall not be removed until the work has been finally approved by the
2426 authority having jurisdiction.

2427 Every permit issued by the authority having jurisdiction under the provisions of
2428 this code shall expire by limitation and become null and void one year from date of issue.
2429 Permits expired for not more than one year may be renewed one time only for one-half
2430 the original cost or fifty dollars (\$50), whichever is less. Any person seeking renewal of
2431 a permit expired for more than one year shall pay the full amount of the original permit
2432 cost in accordance with the fee schedule.

2433 Plumbing work authorized by a permit in effect on the effective date of this code
2434 shall be performed in accordance with the laws and ordinances in effect when the permit
2435 was issued, except when the authority having jurisdiction determines such work to be in
2436 fact dangerous, unsafe, insanitary, or a nuisance or a menace to life, health or property.

2437 NEW SECTION. SECTION 132. There is hereby added to K.C.C. chapter 16.32
2438 a new section to read as follows:

2439 **Suspension, Revocation or Limitation of Permits.** Section 103.3.5 of the
2440 Uniform Plumbing Code is not adopted and the following is substituted:

2441 Suspension, Revocation or Limitation of Permits (UPC 103.3.5). A. In addition
2442 to other remedies provided by law, the authority having jurisdiction may, in writing,
2443 suspend, revoke or limit a permit issued under the provisions of this code if:

2444 (1) The permit holder committed a violation of this code or other ordinances, or
2445 any rules and regulations adopted by the authority having jurisdiction, in the course of
2446 performing activities subject to that permit;

2447 (2) The permit holder interfered with the authority having jurisdiction in the
2448 performance of the authority having jurisdiction's duties relating to the permit;

2449 (3) The permit was issued in error or on the basis of materially incorrect
2450 information supplied to the authority having jurisdiction; or

2451 (4) Permit fees or costs were paid to the county by check and returned from a
2452 financial institution marked nonsufficient funds or canceled.

2453 B. The suspension, revocation or limitation shall be carried out through the notice
2454 and order provisions of K.C.C. Title 23, is effective on the date established by the notice

2455 and order and may be appealed to the King County hearing examiner in accordance with
2456 the appeal provisions of K.C.C. Title 23.

2457 C. Notwithstanding any other provision of this code, the administrative authority
2458 may immediately suspend operations under a permit by issuing a stop work order in
2459 accordance with this code.

2460 NEW SECTION. SECTION 133. There is hereby added to K.C.C. chapter 16.32
2461 a new section to read as follows:

2462 **Reinspections.** Section 103.5.6 of the Uniform Plumbing Code is not adopted
2463 and the following is substituted:

2464 Reinspections (UPC 103.5.6). A reinspection fee may be assessed for each
2465 inspection or reinspection when part or all of the work for which inspection is called is
2466 not complete or when required corrections have not been made.

2467 This provision is not to be interpreted as requiring reinspection fees the first time
2468 a job is rejected for failure to comply with the requirements of this code, but as
2469 controlling the practice of calling for inspections before the job is ready for inspection or
2470 reinspection.

2471 Reinspection fees may be assessed when the approved plans are not readily
2472 available to the inspector, for failure to provide access on the date for which the
2473 inspection is requested, or for deviating from plans when such deviation requires but has
2474 not received the approval of the authority having jurisdiction.

2475 To obtain reinspection, the applicant shall file an application therefor in writing
2476 upon a form furnished for that purpose and pay the reinspection fee in accordance with
2477 K.C.C. 16.32.080.

2478 In instances where reinspection fees have been assessed, no additional inspection
2479 of the work will be performed until the required fees have been paid.

2480 NEW SECTION. SECTION 134. There is hereby added to K.C.C. chapter 16.32
2481 a new section to read as follows:

2482 **Corrections.** Section 103.5.6.1 of the Uniform Plumbing Code is not adopted
2483 and the following is substituted:

2484 Corrections (UPC 103.5.6.1). Notices of correction or violation shall be issued by
2485 the authority having jurisdiction and may be posted at the site of the work or mailed or
2486 delivered to the permittee or his authorized representative. Refusal, failure, or neglect to
2487 comply with any such notice or order within ten (10) days of receipt thereof, shall be
2488 considered a violation of this code and shall be subject to the remedies for violations as
2489 set forth elsewhere in this code.

2490 NEW SECTION. SECTION 135. There is hereby added to K.C.C. chapter 16.32
2491 a new section to read as follows:

2492 **Retesting.** Section 103.5.6.2 of the Uniform Plumbing Code is not adopted and
2493 the following is substituted:

2494 Retesting (UPC 103.5.6.2). If the authority having jurisdiction finds that the work
2495 does not pass any required test or inspection, necessary corrections shall be made and the
2496 work shall then be resubmitted for test or inspection.

2497 NEW SECTION. SECTION 136. There is hereby added to K.C.C. chapter 16.32
2498 a new section to read as follows:

2499 **Approval.** Section 103.5.6.3 of the Uniform Plumbing Code is not adopted and
2500 the following is substituted:

2501 Approval (UPC 103.5.6.3). Upon the satisfactory completion and final test of the
2502 plumbing system, a certificate of approval shall be issued by the authority having
2503 jurisdiction to the permittee.

2504 NEW SECTION. SECTION 137. There is hereby added to K.C.C. chapter 16.32
2505 a new section to read as follows:

2506 **Parking Garage Drainage Systems.** Chapter 10 of the Uniform Plumbing Code
2507 is supplemented with the following:

2508 Parking Garage Drainage Systems (UPC 1018.1). All floor drainage under the
2509 roof of a parking garage shall be connected to the sanitary drainage system, through the
2510 use of a sand interceptor. When the top floor of the building is used as a roof as well as a
2511 parking area, the drainage from the roof shall be connected to the storm drainage system.
2512 Drainage from conventional plumbing fixtures shall not be inter-connected with the floor
2513 drainage system. However, drainage lines from car or truck washing equipment may be
2514 connected to the floor drainage system through an approved sand interceptor. Floor
2515 drainage waste lines shall be a minimum of three inches in size. Waste unit loading for
2516 three-inch or larger size floor drainage piping shall be sized in accordance with table 7-5
2517 of this code. Floor drains or floor drain openings shall be equipped with approved
2518 strainers and need not be trapped when connected to the building drain through a properly
2519 trapped and vented sand interceptor. Traps shall not be used when the floor drains are
2520 located in areas exposed to freezing temperatures. The waste line from floor drains
2521 entering a sand interceptor shall be above the waste line discharging from the sand
2522 interceptor to the building drain. The sand interceptor receiving the floor drains shall
2523 have a water seal of not less than six inches. Floor drain traps need not be vented

2524 individually if line venting is used through an approved indirect waste system with a
2525 properly trapped and vented sand interceptor. A line vent for floor drains shall terminate
2526 through the roof or to an approved location in the outside atmosphere. When using line
2527 venting, the terminating vents, if more than one, shall be equal in cross sectional area to
2528 the size of the waste line entering the sand interceptor or the line vent may continue full
2529 size from the sand interceptor to the point of termination. All plans for parking garage
2530 floor drainage systems shall be submitted to the authority having jurisdiction prior to
2531 installation for approval. This section shall not apply to one-family or two-family
2532 dwellings.

2533 NEW SECTION. SECTION 138. There is hereby added a new section to K.C.C.
2534 chapter 16.32 to read as follows:

2535 **Combining Storm with Sanitary Sewage.** Section 1104.3 of the Uniform
2536 Plumbing Code is not adopted and the following is substituted:

2537 Combining Storm with Sanitary Sewage (UPC 1104.3). The sanitary and storm
2538 drainage system of a building shall be entirely separate.

2539 SECTION 139. A. Ordinance 12560, Section 40, as amended, and K.C.C.
2540 16.04.200 are each hereby repealed.

2541 B. Ordinance 12560, Section 42, as amended, and K.C.C. 16.04.220 are each
2542 hereby repealed.

2543 C. Ordinance 12560, Section 38, as amended, and K.C.C. 16.04.230 are each
2544 hereby repealed.

2545 D. Ordinance 12560, Section 39, as amended, and K.C.C. 16.04.240 are each
2546 hereby repealed.

Ordinance 15802

2547 E. Ordinance 14914, Section 166, and K.C.C. 16.04.460 are each hereby repealed.

2548 SECTION 140. A. Ordinance 14914, Section 311, and K.C.C. 16.12.015 are each
2549 hereby repealed.

2550 B. Ordinance 12560, Section 100, as amended, and K.C.C. 16.12.020 are each
2551 hereby repealed.

2552 C. Ordinance 14914, Section 313, and K.C.C. 16.12.025 are each hereby repealed.

2553 D. Ordinance 12560, Section 101, as amended, and K.C.C. 16.12.030 are each
2554 hereby repealed.

2555 E. Ordinance 14914, Section 315, and K.C.C. 16.12.035 are each hereby repealed.

2556 F. Ordinance 12560, Section 105, as amended, and K.C.C. 16.12.070 are each
2557 hereby repealed.

2558 G. Ordinance 14914, Section 317, and K.C.C. 16.12.075 are each hereby
2559 repealed.

2560 H. Ordinance 12560, Section 106, as amended, and K.C.C. 16.12.080 are each
2561 hereby repealed.

2562 I. Ordinance 12560, Section 107, as amended, and K.C.C. 16.12.090 are each
2563 hereby repealed.

2564 J. Ordinance 12560, Section 108, as amended, and K.C.C. 16.12.100 are each
2565 hereby repealed.

2566 K. Ordinance 14914, Section 321, and K.C.C. 16.12.110 are each hereby
2567 repealed.

2568 L. Ordinance 12560, Section 104, as amended, and K.C.C. 16.12.120 are each
2569 hereby repealed.

- 2570 M. Ordinance 14914, Section 324, and K.C.C. 16.12.130 are each hereby
2571 repealed.
- 2572 N. Ordinance 12560, Section 102, as amended, and K.C.C. 16.12.140 are each
2573 hereby repealed.
- 2574 O. Ordinance 12560, Section 103, as amended, and K.C.C. 16.12.150 are each
2575 hereby repealed.
- 2576 P. Ordinance 14914, Section 329, and K.C.C. 16.12.160 are each hereby repealed.
- 2577 SECTION 141. A. Ordinance 6746, Section 3, and K.C.C. 16.32.010 are each
2578 hereby repealed.
- 2579 B. Ordinance 6746, Section 4, and K.C.C. 16.32.020 are each hereby repealed.
- 2580 C. Ordinance 6746, Section 6, as amended, and K.C.C. 16.32.040 are each hereby
2581 repealed.
- 2582 D. Ordinance 6746, Section 8, and K.C.C. 16.32.060 are each hereby repealed
- 2583 E. Ordinance 6746, Section 9, and K.C.C. 16.32.070 are each hereby repealed.
- 2584 F. Ordinance 6746, Section 11, and K.C.C. 16.32.090 are each hereby repealed.
- 2585 G. Ordinance 6746, Section 12, as amended, and K.C.C. 16.32.100 are each
2586 hereby repealed.
- 2587 H. Ordinance 6746, Section 13, and K.C.C. 16.32.110 are each hereby repealed.
- 2588 I. Ordinance 6746, Section 14, and K.C.C. 16.32.120 are each hereby repealed.
- 2589 J. Ordinance 6746, Section 15, and K.C.C. 16.32.130 are each hereby repealed.
- 2590 K. Ordinance 6746, Section 16, and K.C.C. 16.32.140 are each hereby repealed.
- 2591 L. Ordinance 6746, Section 17, and K.C.C. 16.32.150 are each hereby repealed.
- 2592 M. Ordinance 6746, Section 21, and K.C.C. 16.32.190 are each hereby repealed.

2593 N. Ordinance 6746, Section 22, and K.C.C. 16.32.200 are each hereby repealed.

2594 O. Ordinance 6746, Section 23, as amended, and K.C.C. 16.32.210 are each
2595 hereby repealed.

2596 P. Ordinance 6746, Section 26, and K.C.C. 16.32.240 are each hereby repealed.

2597 Q. Ordinance 6746, Section 27, and K.C.C. 16.32.250 are each hereby repealed.

2598 R. Ordinance 6746, Section 30, and K.C.C. 16.32.280 are each hereby repealed.

2599 S. Ordinance 6747, Section 31, as amended, and K.C.C. 16.32.290 are each
2600 hereby repealed.

2601 T. Ordinance 10589, Section 8, and K.C.C. 16.32.292 are each hereby repealed.

2602 U. Ordinance 10589, Section 9, and K.C.C. 16.32.297 are each hereby repealed.

2603 V. Ordinance 6746, Section 32, and K.C.C. 16.32.300 are each hereby repealed.

2604 W. Ordinance 10589, Section 10, and K.C.C. 16.32.305 are each hereby
2605 repealed.

2606 X. Ordinance 6746, Section 34, as amended, and K.C.C. 16.32.320 are each
2607 hereby repealed.

2608 Y. Ordinance 10589, Section 13, and K.C.C. 16.32.325 are each hereby repealed.

2609 Z. Ordinance 6746, Section 35, as amended, and K.C.C. 16.32.330 are each
2610 hereby repealed.

2611 AA. Ordinance 6746, Section 36, and K.C.C. 16.32.340 are each hereby
2612 repealed.

2613 BB. Ordinance 6746, Section 37, and K.C.C. 16.32.350 are each hereby repealed.

2614 CC. Ordinance 7136, Section 1, and K.C.C. 16.32.358 are each hereby repealed.

2615 DD. Ordinance 7136, Section 2, and K.C.C. 16.32.360 are each hereby repealed.

2616 EE. Ordinance 6746, Section 39, as amended, and K.C.C. 16.32.370 are each
2617 hereby repealed.

2618 FF. Ordinance 6746, Section 40, and K.C.C. 16.32.380 are each hereby repealed.

2619 GG. Ordinance 6746, Section 41, and K.C.C. 16.32.390 are each hereby
2620 repealed.

2621 HH. Ordinance 6746, Section 42, as amended, and K.C.C. 16.32.400 are each
2622 hereby repealed.

2623 II. Ordinance 6746, Section 43, as amended, and K.C.C. 16.32.410 are each
2624 hereby repealed.

2625 JJ. Ordinance 10589, Section 18, and K.C.C. 16.32.420 are each hereby repealed.

2626 KK. Ordinance 10589, Section 19, and K.C.C. 16.32.430 are each hereby
2627 repealed.

2628 SECTION 142. Severability. If any provision of this ordinance or its application
2629 to any person or circumstance is held invalid the remainder of the ordinance or the
2630 application of the provision to other persons or circumstances is not affected.

2631 SECTION 143. K.C.C. 16.32.468 is hereby decodified.

2632 SECTION 144. Ordinance 6746, Section 48, is hereby amended as follows:

2633 **Severability.** ~~((If any section, subsection, paragraph, sentence, clause or phrase~~
2634 ~~of this chapter is for any reason held to be invalid or unconstitutional, such invalidity or~~
2635 ~~unconstitutionality shall not affect the validity or constitutionality of the remaining~~
2636 ~~portions of this chapter, it being herein expressly declared that this chapter and each~~
2637 ~~section, subsection, paragraph, sentence, clause and phrase thereof would have been~~
2638 ~~adopted irrespective of the fact that any one or more other sections, subsections,~~

Ordinance 15802

2639 ~~paragraphs, sentences, clauses or phrases be declared invalid or unconstitutional))~~ If any
2640 provision of this chapter or its application to any person or circumstance is held invalid
2641 the remainder of the chapter or the application of the provision to other persons or
2642 circumstances is not affected.

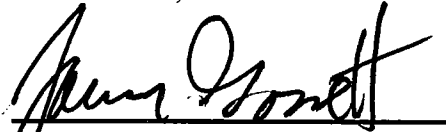
2643 SECTION 145. Effective date. This ordinance takes effect July 1, 2007.

2644

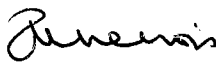
Ordinance 15802 was introduced on 4/23/2007 and passed by the Metropolitan King County Council on 5/29/2007, by the following vote:

Yes: 8 - Mr. Gossett, Ms. Patterson, Ms. Lambert, Mr. von Reichbauer, Mr. Dunn, Mr. Ferguson, Mr. Phillips and Mr. Constantine
No: 0
Excused: 1 - Ms. Hague

KING COUNTY COUNCIL
KING COUNTY, WASHINGTON

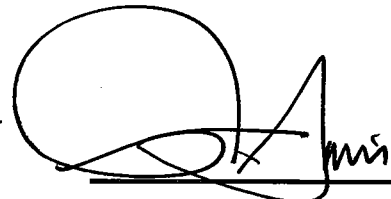

Larry Gossett, Chair

ATTEST:



Anne Noris, Clerk of the Council

APPROVED this 7 day of June, 2007.


Ron Sims, County Executive

Attachments None

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CLERK
KING COUNTY COUNCIL