



## Legislation Details (With Text)

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**File #:** 2007-0255      **Version:** 2

**Type:** Ordinance      **Status:** Passed

**File created:** 4/23/2007      **In control:** Growth Management and Natural Resources Committee

**On agenda:** 5/29/2007      **Final action:** 5/29/2007

**Enactment date:** 6/7/2007      **Enactment #:** 15802

**Title:** AN ORDINANCE relating to building and construction in King County; adopting, amending and supplementing the International Building Code, International Residential Code, International Mechanical Code, and International Property Maintenance Code; amending Ordinance 14111, Section 4, as amended, and K.C.C. 16.02.110, Ordinance 10608, Section 3, as amended, and K.C.C. 16.02.130, Ordinance 14914, Section 9, and K.C.C. 16.02.150, Ordinance 12560, Section 6, as amended, and K.C.C. 16.02.190, Ordinance 12560, Section 10, as amended, and K.C.C. 16.02.240, Ordinance 12560, Section 18, as amended, and K.C.C. 16.02.290, Ordinance 12560, Section 12, as amended, and K.C.C. 16.02.320, Ordinance 12560, Section 25, as amended, and K.C.C. 16.02.400, Ordinance 12560, Section 34, as amended, and K.C.C. 16.02.510, Ordinance 12560, Section 35, as amended, and K.C.C. 16.02.520, Ordinance 12560, Section 9, as amended, and K.C.C. 16.02.560, Ordinance 14914, Section 82, and K.C.C. 16.02.580, Ordinance 3647, Section 3, as amended, and K.C.C. 16.03.040, Ordinance 12560, Section 41, as amended, and K.C.C. 16.04.210, Ordinance 14914, Section 133, and K.C.C. 16.04.260, Ordinance 12560, Section 44, as amended, and K.C.C. 16.04.270, Ordinance 14111, Section 43, as amended, and K.C.C. 16.04.280, Ordinance 14111, Section 58, as amended, and K.C.C. 16.04.350, Ordinance 14914, Section 156, and K.C.C. 16.04.370, Ordinance 14914, Section 157, and K.C.C. 16.04.380, Ordinance 14914, Section 158, and K.C.C. 16.04.390, Ordinance 12560, Section 50, as amended, and K.C.C. 16.04.410, Ordinance 14914, Section 167, and K.C.C. 16.04.470, Ordinance 14914, Section 178, and K.C.C. 16.04.520, Ordinance 12560, Section 67, as amended, and K.C.C. 16.04.550, Ordinance 12560, Section 68, as amended, and K.C.C. 16.04.560, Ordinance 12560, Section 69, as amended, and K.C.C. 16.04.570, Ordinance 12560, Section 70, as amended, and K.C.C. 16.04.580, Ordinance 12560, Section 71, as amended, and K.C.C. 16.04.590, Ordinance 12560, Section 72, as amended, and K.C.C. 16.04.600, Ordinance 12560, Section 73, as amended, and K.C.C. 16.04.610, Ordinance 12560, Section 74, as amended, and K.C.C. 16.04.620, Ordinance 12560, Section 75, as amended, and K.C.C. 16.04.630, Ordinance 12560, Section 76 as amended, and K.C.C. 16.04.640, Ordinance 12560, Section 77, as amended, and K.C.C. 16.04.650, Ordinance 12560, Section 78, as amended, and K.C.C. 16.04.660, Ordinance 12560, Section 79, as amended, and K.C.C. 16.04.670, Ordinance 12560, Section 80 as amended, and K.C.C. 16.04.680, Ordinance 12560, Section 81, as amended, and K.C.C. 16.04.690, Ordinance 12560, Section 82, as amended, and K.C.C. 16.04.700, Ordinance 12560, Section 83, as amended, and K.C.C. 16.04.710, Ordinance 12560, Section 84, as amended, and K.C.C. 16.04.720, Ordinance 12560, Section 85, as amended, and K.C.C. 16.04.730, Ordinance 12560, Section 86, as amended, and K.C.C. 16.04.740, Ordinance 12560, Section 87, as amended, and K.C.C. 16.04.750, Ordinance 12560, Section 88, as amended, and K.C.C. 16.04.760, Ordinance 12560, Section 89, as amended, and K.C.C. 16.04.770, Ordinance 12560, Section 90, as amended, and K.C.C. 16.04.780, Ordinance 12560, Section 91, as amended, and K.C.C. 16.04.790, Ordinance 12560, Section 92, as amended, and K.C.C. 16.04.800, Ordinance 12560, Section 93, as amended, and K.C.C. 16.04.810, Ordinance 12560, Section 94, as amended, and K.C.C. 16.04.820, Ordinance 12560, Section 95, as amended, and K.C.C. 16.04.830, Ordinance 12560, Section 96, as amended, and K.C.C. 16.04.840, Ordinance 12560, Section 97, as amended, and K.C.C. 16.04.850, Ordinance 12560, Section 98, as amended, and K.C.C. 16.04.860, Ordinance 11923, Section 2, and K.C.C. 16.04.890, Ordinance 12380, Section 5, as amended, and K.C.C. 16.04.970, Ordinance 7853, Section 1, as amended, and K.C.C. 16.04.980, Ordinance 14914, Section 269, and K.C.C. 16.05.010, Ordinance 14914, Section 271, and K.C.C. 16.05.030, Ordinance 14914, Section 272, and K.C.C. 16.05.040, Ordinance 14914, Section 273, and K.C.C. 16.05.050, Ordinance 14914, Section 275, and K.C.C. 16.05.070, Ordinance 14914, Section 276, and K.C.C. 16.05.080, Ordinance 14914, Section 277, and K.C.C. 16.05.090,

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and K.C.C. 16.14.370, Ordinance 14238, Section 13, as amended, and K.C.C. 16.14.380, Ordinance 14238, Section 14, as amended, and K.C.C. 16.14.390, Ordinance 14238, Section 15, as amended, and K.C.C. 16.14.400, Ordinance 6746, Section 5, as amended, and K.C.C. 16.32.030, Ordinance 6746, Section 7, and K.C.C. 16.32.050, Ordinance 6746, Section 10, as amended, and K.C.C. 16.32.080, Ordinance 6746, Section 19, as amended, and K.C.C. 16.32.170 and Ordinance 6746, Section 48, and K.C.C. 16.32.460, adding new sections to K.C.C. chapter 16.02, adding a new section to K.C.C. chapter 16.03, adding new sections to K.C.C. chapter 16.04, adding new sections to K.C.C. chapter 16.05, adding new sections to K.C.C. chapter 16.10, adding a new section to K.C.C. chapter 16.12, adding new sections to K.C.C. chapter 16.14, adding new sections to K.C.C. chapter 16.32, recodifying K.C.C. 16.70.010, 16.70.040, 16.70.030, 16.70.060, 16.70.020 and 16.70.050, decodifying K.C.C. 16.32.468 and repealing Ordinance 12560, Section 40, as amended, and K.C.C. 16.04.200, Ordinance 12560, Section 42, as amended, and K.C.C. 16.04.220, Ordinance 12560, Section 38, as amended, and K.C.C. 16.04.230, Ordinance 12560, Section 39, as amended, and K.C.C. 16.04.240, Ordinance 14914, Section 166, and K.C.C. 16.04.460, Ordinance 14914, Section 311, and K.C.C. 16.12.015, Ordinance 12560, Section 100, as amended, and K.C.C. 16.12.020, Ordinance 14914, Section 313, and K.C.C. 16.12.025, Ordinance 12560, Section 101, as amended, and K.C.C. 16.12.030, Ordinance 14914, Section 315, and K.C.C. 16.12.035, Ordinance 12560, Section 105, as amended, and K.C.C. 16.12.070, Ordinance 14914, Section 317, and K.C.C. 16.12.075, Ordinance 12560, Section 106, as amended, and K.C.C. 16.12.080, Ordinance 12560, Section 107, as amended, and K.C.C. 16.12.090, Ordinance 12560, Section 108, as amended, and K.C.C. 16.12.100, Ordinance 14914, Section 321, and K.C.C. 16.12.110, Ordinance 12560, Section 104, as amended, and K.C.C. 16.12.120, Ordinance 14914, Section 324, and K.C.C. 16.12.130, Ordinance 12560, Section 102, as amended, and K.C.C. 16.12.140, Ordinance 12560, Section 103, as amended, and K.C.C. 16.12.150, Ordinance 14914, Section 329, and K.C.C. 16.12.160, Ordinance 6746, Section 3, and K.C.C. 16.32.010, Ordinance 6746, Section 4, and K.C.C. 16.32.020, Ordinance 6746, Section 6, as amended, and K.C.C. 16.32.040, Ordinance 6746, Section 8, and K.C.C. 16.32.060, Ordinance 6746, Section 9, and K.C.C. 16.32.070, Ordinance 6746, Section 11, and K.C.C. 16.32.090, Ordinance 6746, Section 12, as amended, and K.C.C. 16.32.100, Ordinance 6746, Section 13, and K.C.C. 16.32.110, Ordinance 6746, Section 14, and K.C.C. 16.32.120, Ordinance 6746, Section 15, and K.C.C. 16.32.130, Ordinance 6746, Section 16, and K.C.C. 16.32.140, Ordinance 6746, Section 17, and K.C.C. 16.32.150, Ordinance 6746, Section 21, and K.C.C. 16.32.190, Ordinance 6746, Section 22, and K.C.C. 16.32.200, Ordinance 6746, Section 23, as amended, and K.C.C. 16.32.210, Ordinance 6746, Section 26, and K.C.C. 16.32.240, Ordinance 6746, Section 27, and K.C.C. 16.32.250, Ordinance 6746, Section 30, and K.C.C. 16.32.280, Ordinance 6746, Section 31, as amended, and K.C.C. 16.32.290, Ordinance 10589, Section 8, and K.C.C. 16.32.292, Ordinance 10589, Section 9, and K.C.C. 16.32.297, Ordinance 6746, Section 32, and K.C.C. 16.32.300, Ordinance 10589, Section 10, and K.C.C. 16.32.305, Ordinance 6746, Section 34, as amended, and K.C.C. 16.32.320, Ordinance 10589, Section 13, and K.C.C. 16.32.325, Ordinance 6746, Section 35, as amended, and K.C.C. 16.32.330, Ordinance 6746, Section 36, and K.C.C. 16.32.340, Ordinance 6746, Section 37, and K.C.C. 16.32.350, Ordinance 7136, Section 1, and K.C.C. 16.32.358, Ordinance 7136, Section 2, and K.C.C. 16.32.360, Ordinance 6746, Section 39, as amended, and K.C.C. 16.32.370, Ordinance 6746, Section 40, and K.C.C. 16.32.380, Ordinance 6746, Section 41, and K.C.C. 16.32.390, Ordinance 6746, Section 42, as amended, and K.C.C. 16.32.400, Ordinance 6746, Section 43, as amended, and K.C.C. 16.32.410, Ordinance 10589, Section 18, and K.C.C. 16.32.420 and Ordinance 10589, Section 19, and K.C.C. 16.32.430.

**Sponsors:** Larry Phillips

**Indexes:** Building Code

**Code sections:** 16.02.110 -, 16.02.130 -, 16.02.150 -, 16.02.190 -, 16.02.240 -, 16.02.290 -, 16.02.320 -, 16.02.400 -, 16.02.510 -, 16.02.520 -, 16.02.580 -, 16.03 -, 16.03.040 -, 16.04 -, 16.04.200 -, 16.04.210 -, 16.04.220 -, 16.04.230 -, 16.04.240 -, 16.04.260 -, 16.04.270 -, 16.04.280 -, 16.04.350 -, 16.04.370 -, 16.04.380 -, 16.04.390 -, 16.04.410 -, 16.04.460 -, 16.04.470 -, 16.04.520 -, 16.04.550 -, 16.04.560 -, 16.04.570 -, 16.04.580 -, 16.04.590 -, 16.04.600 -, 16.04.610 -, 16.04.620 -, 16.04.630 -, 16.04.640 -, 16.04.650 -, 16.04.660 -, 16.04.670 -, 16.04.680 -, 16.04.690 -, 16.04.700 -, 16.04.710 -, 16.04.720 -, 16.04.730 -, 16.04.740 -, 16.04.750 -, 16.04.760 -, 16.04.770 -, 16.04.780 -, 16.04.790 -, 16.04.800 -, 16.04.810 -, 16.04.820 -, 16.04.830 -, 16.04.840 -, 16.04.850 -, 16.04.860 -, 16.04.890 -, 16.04.970 -, 16.04.980 -, 16.05 -, 16.05.010 -, 16.05.030 -, 16.05.040 -, 16.05.050 -, 16.05.070 -, 16.05.080 -, 16.05.090 -, 16.05.100 -, 16.05.110 -, 16.05.130 -, 16.06.020 -, 16.06.050 -, 16.10 -, 16.10.010 -, 16.12 -, 16.12.010 -, 16.12.015 -, 16.12.020 -, 16.12.025 -, 16.12.030 -, 16.12.035 -, 16.12.070 -, 16.12.075 -, 16.12.080 -, 16.12.090 -, 16.12.100 -, 16.12.110 -, 16.12.120 -, 16.12.130 -, 16.12.140 -, 16.12.150 -, 16.12.160 -, 16.14 -, 16.14.010 -, 16.14.320 -, 16.14.340 -, 16.14.360 -, 16.14.370 -, 16.14.380 -, 16.14.390 -, 16.14.400 -, 16.32 -, 16.32.010 -, 16.32.020 -, 16.32.030 -, 16.32.040 -, 16.32.050 -, 16.32.060 -, 16.32.070 -, 16.32.080 -, 16.32.090 -, 16.32.100 -, 16.32.110 -, 16.32.120 -, 16.32.130 -, 16.32.140 -, 16.32.150 -, 16.32.170 -, 16.32.190 -, 16.32.200 -, 16.32.210 -, 16.32.240 -, 16.32.250 -, 16.32.280 -, 16.32.290 -, 16.32.292 -, 16.32.297 -, 16.32.300 -, 16.32.305 -, 16.32.320 -, 16.32.325 -, 16.32.330 -, 16.32.340 -, 16.32.350 -, 16.32.358 -, 16.32.360 -, 16.32.370 -, 16.32.380 -, 16.32.390 -, 16.32.400 -, 16.32.410 -, 16.32.420 -, 16.32.430 -, 16.32.460 -, 16.32.468 -, 16.70.010 -, 16.70.010 -, 16.70.020 -, 16.70.020 -, 16.70.030 -, 16.70.030 -, 16.70.040 -, 16.70.040 -, 16.70.050 -, 16.70.050 -, 16.70.060 -, 16.70.060 -

**Attachments:** 1. 15802.pdf, 2. 2007-0255 07Mar-ICodes-SumTitle16.pdf, 3. 2007-0255 Adoption Notice.doc, 4. 2007-0255 Attach #3 to 5-8-07 SR - PSE letter.pdf, 5. 2007-0255 Attachment 1 - Plain Language Summary Title 17 (5-15-07 SR).xls, 6. 2007-0255 Attachment 2 - Plain Language Summary Title 16 (5-15-07 SR).xls, 7. 2007-0255 fiscal note.xls, 8. 2007-0255 REGNOTE ibc 2007.doc, 9. 2007-0255 Hearing Notice, 10. 2007-0255 List of State Agencies.pdf, 11. 2007-0255 NwankwoLetter.pdf, 12. 2007-0255 ORDCKLST ibc 2007.DOC, 13. 2007-0255 PSE Title 16 Comments .pdf, 14. 2007-0255 ribeLetters.pdf, 15. 2007-0255 Staff Report - IBC-IFC (5-08-07).doc, 16. 2007-0255 Staff Report - IBC-IFC (5-15-07).doc, 17. 2007-0255 transmittal letter.doc

Date	Ver.	Action By	Action	Result
5/29/2007	2	Metropolitan King County Council	Hearing Held	
5/29/2007	2	Metropolitan King County Council	Passed	Pass
5/15/2007	1	Growth Management and Natural Resources Committee	Amended	Pass
5/15/2007	2	Growth Management and Natural Resources Committee	Recommended Do Pass Substitute	Pass
5/8/2007	1	Growth Management and Natural Resources Committee		
4/23/2007	1	Metropolitan King County Council	Introduced and Referred	

Clerk 5/17/2007

AN ORDINANCE relating to building and construction in King County; adopting, amending and supplementing the International Building Code, International Residential Code, International Mechanical Code, and International Property Maintenance Code; amending Ordinance 14111, Section 4, as amended, and K.C.C. 16.02.110, Ordinance 10608, Section 3, as amended, and K.C.C.

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Ordinance 14914, Section 271, and K.C.C. 16.05.030, Ordinance 14914, Section 272, and K.C.C. 16.05.040, Ordinance 14914, Section 273, and K.C.C. 16.05.050, Ordinance 14914, Section 275, and K.C.C. 16.05.070, Ordinance 14914, Section 276, and K.C.C. 16.05.080, Ordinance 14914, Section 277, and K.C.C. 16.05.090, Ordinance 14914, Section 278, and K.C.C. 16.05.100, Resolution 21284, Section 1, and K.C.C. 16.70.010, Resolution 21284, Section 4, and K.C.C. 16.70.040, Resolution 21284, Section 3, as amended, and K.C.C. 16.70.030, Resolution 21284 (part), as amended, and K.C.C. 16.70.060, Ordinance 12560, Section 57, as amended, and K.C.C. 16.05.110, Resolution 21284, Section 2, and K.C.C. 16.70.020, Resolution 21284, Section 5, as amended, and K.C.C. 16.70.050, Ordinance 12560, Section 74, as amended, and K.C.C. 16.05.130, Ordinance 14238, Section 19, as amended, and K.C.C. 16.06.020, Ordinance 14238, Section 22, as amended, and K.C.C. 16.06.050, Ordinance 14111, Section 118, as amended, and K.C.C. 16.12.010, Ordinance 14111, Section 129, as amended, and K.C.C. 16.14.010, Ordinance 14238, Section 7, as amended, and K.C.C. 16.14.320, Ordinance 14238, Section 9, as amended, and K.C.C. 16.14.340, Ordinance 14238, Section 11, as amended, and K.C.C. 16.14.360, Ordinance 14238, Section 12, as amended, and K.C.C. 16.14.370, Ordinance 14238, Section 13, as amended, and K.C.C. 16.14.380, Ordinance 14238, Section 14, as amended, and K.C.C. 16.14.390, Ordinance 14238, Section 15, as amended, and K.C.C. 16.14.400, Ordinance 6746, Section 5, as amended, and K.C.C. 16.32.030, Ordinance 6746, Section 7, and K.C.C. 16.32.050, Ordinance 6746, Section 10, as amended, and K.C.C. 16.32.080, Ordinance 6746, Section 19, as amended, and K.C.C. 16.32.170 and Ordinance

6746, Section 48, and K.C.C. 16.32.460, adding new sections to K.C.C. chapter 16.02, adding a new section to K.C.C. chapter 16.03, adding new sections to K.C.C. chapter 16.04, adding new sections to K.C.C. chapter 16.05, adding new sections to K.C.C. chapter 16.10, adding a new section to K.C.C. chapter 16.12, adding new sections to K.C.C. chapter 16.14, adding new sections to K.C.C. chapter 16.32, recodifying K.C.C. 16.70.010, 16.70.040, 16.70.030, 16.70.060, 16.70.020 and 16.70.050, decodifying K.C.C. 16.32.468 and repealing Ordinance 12560, Section 40, as amended, and K.C.C. 16.04.200, Ordinance 12560, Section 42, as amended, and K.C.C. 16.04.220, Ordinance 12560, Section 38, as amended, and K.C.C. 16.04.230, Ordinance 12560, Section 39, as amended, and K.C.C. 16.04.240, Ordinance 14914, Section 166, and K.C.C. 16.04.460, Ordinance 14914, Section 311, and K.C.C. 16.12.015, Ordinance 12560, Section 100, as amended, and K.C.C. 16.12.020, Ordinance 14914, Section 313, and K.C.C. 16.12.025, Ordinance 12560, Section 101, as amended, and K.C.C. 16.12.030, Ordinance 14914, Section 315, and K.C.C. 16.12.035, Ordinance 12560, Section 105, as amended, and K.C.C. 16.12.070, Ordinance 14914, Section 317, and K.C.C. 16.12.075, Ordinance 12560, Section 106, as amended, and K.C.C. 16.12.080, Ordinance 12560, Section 107, as amended, and K.C.C. 16.12.090, Ordinance 12560, Section 108, as amended, and K.C.C. 16.12.100, Ordinance 14914, Section 321, and K.C.C. 16.12.110, Ordinance 12560, Section 104, as amended, and K.C.C. 16.12.120, Ordinance 14914, Section 324, and K.C.C. 16.12.130, Ordinance 12560, Section 102, as amended, and K.C.C. 16.12.140, Ordinance 12560, Section 103, as amended, and K.C.C. 16.12.150, Ordinance 14914, Section 329, and K.C.C. 16.12.160, Ordinance 6746, Section 3,

and K.C.C. 16.32.010, Ordinance 6746, Section 4, and K.C.C. 16.32.020, Ordinance 6746, Section 6, as amended, and K.C.C. 16.32.040, Ordinance 6746, Section 8, and K.C.C. 16.32.060, Ordinance 6746, Section 9, and K.C.C. 16.32.070, Ordinance 6746, Section 11, and K.C.C. 16.32.090, Ordinance 6746, Section 12, as amended, and K.C.C. 16.32.100, Ordinance 6746, Section 13, and K.C.C. 16.32.110, Ordinance 6746, Section 14, and K.C.C. 16.32.120, Ordinance 6746, Section 15, and K.C.C. 16.32.130, Ordinance 6746, Section 16, and K.C.C. 16.32.140, Ordinance 6746, Section 17, and K.C.C. 16.32.150, Ordinance 6746, Section 21, and K.C.C. 16.32.190, Ordinance 6746, Section 22, and K.C.C. 16.32.200, Ordinance 6746, Section 23, as amended, and K.C.C. 16.32.210, Ordinance 6746, Section 26, and K.C.C. 16.32.240, Ordinance 6746, Section 27, and K.C.C. 16.32.250, Ordinance 6746, Section 30, and K.C.C. 16.32.280, Ordinance 6746, Section 31, as amended, and K.C.C. 16.32.290, Ordinance 10589, Section 8, and K.C.C. 16.32.292, Ordinance 10589, Section 9, and K.C.C. 16.32.297, Ordinance 6746, Section 32, and K.C.C. 16.32.300, Ordinance 10589, Section 10, and K.C.C. 16.32.305, Ordinance 6746, Section 34, as amended, and K.C.C. 16.32.320, Ordinance 10589, Section 13, and K.C.C. 16.32.325, Ordinance 6746, Section 35, as amended, and K.C.C. 16.32.330, Ordinance 6746, Section 36, and K.C.C. 16.32.340, Ordinance 6746, Section 37, and K.C.C. 16.32.350, Ordinance 7136, Section 1, and K.C.C. 16.32.358, Ordinance 7136, Section 2, and K.C.C. 16.32.360, Ordinance 6746, Section 39, as amended, and K.C.C. 16.32.370, Ordinance 6746, Section 40, and K.C.C. 16.32.380, Ordinance 6746, Section 41, and K.C.C. 16.32.390, Ordinance 6746, Section 42, as amended, and K.C.C. 16.32.400, Ordinance 6746, Section 43, as amended, and



K.C.C. 16.32.410, Ordinance 10589, Section 18, and K.C.C. 16.32.420 and Ordinance 10589, Section 19, and K.C.C. 16.32.430.

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

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

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

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

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

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

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

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

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

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

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

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

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

**EXCEPTIONS:**

1. The provisions of the International Residential Code for One- and Two-Family Dwellings shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal and demolition of detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories in height with a separate means of egress and their accessory structures, including adult family homes, foster family care homes and family day care homes

licensed by the Washington state department of social and health services

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

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

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

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

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

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

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

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

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

Building:

1. One-story detached one and two family residential accessory buildings used as tool and storage sheds, playhouses, tree supported structures used for play and similar uses, not including garages or other buildings used for vehicular storage, provided the floor area does not exceed 200 square feet (11.15 m<sup>2</sup>) provided that the roof overhang does not exceed twenty-four inches measured horizontally from the exterior wall.
2. Fences not over 6 feet (1.829 m) high.
3. Oil derricks.
4. Retaining walls which are not over 4 feet (1.219 m) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or III-A liquids.
5. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons (18,927 l) and the ratio of height to diameter or width does not exceed 2 to 1.
6. Platforms, sidewalks and driveways not more than 30 inches (.762 m) above grade and not over any basement or story below and which are not part of an accessible route.
7. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
8. Temporary motion picture, television and theater stage sets and scenery.

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

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

11. Swings and other playground equipment.

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

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

14. Re-roofing of existing buildings.

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

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

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

17. Mechanical equipment not specifically regulated in this code.

18. Hydraulic flood control structures.

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

Gas:

1. Portable heating appliance.

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

unsafe.

Mechanical:

1. Portable heating appliance.
2. Portable ventilation appliances and equipment.
3. Portable cooling unit.
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this code.
5. Replacement of any part which does not alter its approval or make it unsafe.
6. Portable evaporative cooler.
7. Self-contained refrigeration system containing 10 pounds (4.54 kg) or less of refrigerant and actuated by motors of one horsepower (746 W) or less.
8. Portable fuel cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

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

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

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

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

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

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

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

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

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

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

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

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

**Submittal documents (IBC 106.1)** Construction documents, statement of special inspections or structural observation programs and other data shall be submitted in one or more sets with each permit application. The construction documents shall be prepared by a registered design professional where required

by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the building official is authorized to require additional construction documents to be prepared by a registered design professional.

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

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

**Information on construction documents (IBC 106.1.1).** Plans and specifications shall be drawn to scale upon substantial paper and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and all relevant laws, ordinances, rules and regulations. Electronic media documents are permitted to be submitted when approved by the building official. Schedule and detail books shall not be used as a substitute for full size plans. Information in Sections 106.1.1, 106.1.2 and 106.3 shall be provided as deemed necessary by the building official.

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

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

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

**Fees (IBC 108).** Fees shall be assessed according to K.C.C. Title 27. For the purposes of K.C.C. Title 27 the nationally recognized standard shall be Rate Table 1-A as 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	<del>(((\$993.75))</del> <u>\$643.75</u> for the first \$50,000.00 plus <del>(((\$5.60))</del> <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	<del>(((\$1,093.13))</del> <u>\$993.75</u> for the first \$100,000.00 plus <del>(((\$6.16))</del> <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

SECTION 12. Ordinance 12560, Section 34, as amended, and K.C.C. 16.02.510 are each hereby

amended to read as follows:

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

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

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

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

official,

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

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

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

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

~~3.2 In the event the construction work or removal of the temporarily occupied structure is not completed or material progress has not been made within twelve (12) months following the posting of the cash deposit, the amount remaining on deposit may be applied toward completion of applicable code requirements or for the removal of the temporary structure by the building official. Any such action by the building official shall first require thirty (30) days written notice to the permittee.~~

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

SECTION 13. Ordinance 12560, Section 35, as amended, and K.C.C. 16.02.520 are each hereby

amended to read as follows:

**Temporary certificate issued - Temporary certificate of shell completion.** Section 110.3. of the International Building Code supplemented with the following:

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

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

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

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

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

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

4.)) The temporary certificate of shell completion shall contain the same information as the certificate of shell completion along with a list of requirements that remain to be completed, special conditions of temporary shell approval, and the dates of temporary shell approval and expiration. The temporary certificate of shell completion shall be valid only so long as those responsible for the building and structure strictly abide by the conditions and limitations specified in the temporary certificate of shell completion, and only so long as

applicable permits are validly maintained or renewed.

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

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

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

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

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

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

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

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

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

- A. Building official or code official to director, department of development and environmental services;
- B. Name of jurisdiction to unincorporated King County;
- C. The department of building and safety to King County department of development and environmental services;
- D. Design flood elevation to base flood elevation;
- E. Mobile home to manufactured home.

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

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

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

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

1. Airport traffic control towers in accordance with Section 412;
2. Open parking garages in accordance with Section 406.3;

3. Buildings with an occupancy in Group A-5 in accordance with Section 303.1;
4. Low-hazard special industrial occupancies in accordance with Section 503.1.1; and
5. Buildings with an occupancy in Group H-1, H-2 or H-3 in accordance with Section 415.

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

**General height and area limitations - General - Portable classrooms - Fire hydrants and access.**

Section 503.1 of the International Building Code is supplemented with the following:

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

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

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

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

**EXCEPTIONS:**

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

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

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

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

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

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

**Special provisions - Group S-2 enclosed or open parking garage with Group A, B(~~(;))~~, M<sub>2</sub> (~~(;))~~ R or S above.** Section 508.2 of the International Building Code is not adopted and the following is substituted:

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

1. The buildings are separated with a horizontal assembly having a minimum 3-hour fire-resistance rating.
2. The building below the horizontal assembly is no more than one story above grade plane.
3. ~~The ((basement or first story above grade plane))~~ building below the horizontal assembly is of Type IA construction ~~((and is separated from the building above with a horizontal assembly having a minimum three-hour fire resistance rating)).~~

~~((2-))~~ 4. Shaft, stairway, ramp ~~((;))~~ and escalator enclosures through the horizontal assembly shall

have not less than a two-hour fire-resistance rating with opening protectives in accordance with Table ~~((715.3))~~ 715.4.

**EXCEPTIONS:** Where the enclosure walls below the horizontal assembly have not less than a three-hour fire-resistance rating with opening protectives in accordance with Table ~~((715.3))~~ 715.4, the enclosure walls extending above the horizontal assembly shall be permitted to have a one-hour fire-resistance rating if:

1. The building above the horizontal assembly is not required to be of Type 1 construction;
2. The enclosure connects less than four stories~~((;))~~; and
3. The enclosure opening protectives above the horizontal assembly have a minimum one-hour

fire-protection rating.

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

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

**EXCEPTIONS:**

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

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

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



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

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

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

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

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

**EXCEPTIONS:**

1. Portable school classrooms, provided the aggregate area of any cluster or portion of a cluster of portable school classrooms does not exceed 5,000 square feet (1465m<sup>2</sup>) and clusters of portable school classrooms shall be separated as required in Chapter 5 of the building code.

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

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

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

**Fire alarm and detection systems - Group E (IFC 907.2.3).** A manual fire alarm system shall be

installed in Group E occupancies. When automatic sprinkler systems or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system.

**EXCEPTIONS:**

1. Group E occupancies providing infant daycare for children 2 1/2 years or less of age for 12 or fewer and all other Group E occupancies with an occupant load of less than 50.
2. Manual fire alarm boxes are not required in Group E occupancies where all of the following apply:
  - 2.1. Interior corridors are protected by smoke detectors with alarm verification.
  - 2.2. Auditoriums, cafeterias, gymnasiums and the like are protected by heat detectors or other approved detection devices.
  - 2.3. Shops and laboratories involving dusts or vapors are protected by heat detectors or other approved detection devices.
  - 2.4. Off-premises monitoring is provided.
  - 2.5. The capability to activate the evacuation signal from a central point is provided.
  - 2.6. In buildings where normally occupied spaces are provided with a two-way communication system between such spaces and a constantly attended receiving station from where a general evacuation alarm can be sounded, except in locations specifically designated by the fire code official.
3. Manual fire alarm boxes shall not be required in Group E occupancies where the building is equipped throughout with an approved automatic sprinkler system, the notification appliances will activate on sprinkler water flow and manual activation is provided from a normally occupied location.

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

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

**Special Doors (IBC1008.1.3)** Special doors and security grilles shall comply with the requirements of

sections 1008.1.3.1 through 1008.1.3.6.

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

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

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

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

1. If the facility has any storage room with 300 square feet or less of floor area, at least one storage room shall comply with 1008.1.2 and 1008.1.8; and
2. For every 10 storage rooms with 300 square feet or less of floor area, the facility has at least one additional storage room with a door that complies with 1008.1.2 and 1008.1.8.

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

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

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

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

**Vertical exit enclosures - smokeproof enclosure.** Section ((4019.1.8)) 1020.1.7 of the International Building Code is not adopted and following is substituted:

**Smokeproof enclosures (IBC ((4019.1.8)) 1020.1.7).** In buildings required to comply with section 403

or 405, each of the exits of a building that serves stories where the floor surface is located more than 65 feet (19.812 m) above the lowest level of fire department vehicle access or more than 30 feet (9,144 mm) below the level of exit discharge serving such floor levels shall be a smokeproof enclosure or pressurized stairway in accordance with Section 909.20.

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

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

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

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

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

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

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

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

SECTION 30. Ordinance 12560, Section 50, as amended, and K.C.C. 16.04.410 are each hereby

amended to read as follows:

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

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

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

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

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

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

**Footings and foundation - foundation walls - Table ~~((1805.5(5)))~~ 1805.5(6) Seismic Zone D - Concrete ~~((and Masonry<sup>2</sup>))~~ Foundation Walls<sup>1,2,3,4,5,12</sup> For Single Family And Duplex Residences.** Section 1805.5 of the International Building Code is supplemented by the following table:

**Table ~~((1805.5(5)))~~ 1805.5(6) Seismic Zone D - Concrete ~~((and Masonry<sup>4</sup>))~~ Foundation Walls<sup>1,2,3,4,5,12</sup> For Single Family And Duplex Residences.** Table ~~((1805.5(5)))~~ 1805.5(6) Foundation wall

reinforcement requirements for Single Family and Duplex Residential Occupancies and Private Garage occupancies only<sup>((8,9)) 12</sup>

Minimum Wall Thickness	Maximum Wall Height (ft.) <sup>5</sup>	Maximum Unbalanced Backfill (ft.) <sup>1,2</sup>	Minimum Vertical Reinforcement (( <sup>3</sup> )) <sup>6</sup>	Minimum Horizontal Reinforcement <sup>6</sup>	Anchor Bolt Spacing		Wall top support <sup>11</sup>
					1/2"	5/8"	
6"	4'6"	3'	#4 @ 48" O.C.	#4 @ 48" O.C. <sup>7</sup>	72"	72"	A
6"	4'6"	4'	#4 @ 48" O.C.	((---)) #4 @ 48" O.C. <sup>7</sup>	42"	53"	A
8"	8'	4'	#4 @ 48" O.C.	#4 @ 48" O.C. <sup>7</sup>	72"	72"	A
8"	9'	4'	#4 @ 48" O.C.	#4 @ 36" O.C. <sup>8</sup>	72"	72"	A
8"	9'	5'	#4 @ ((48")) 36" O.C. <sup>9</sup>	#4 @ ((48")) 36" O.C. <sup>8</sup>	42"	48"	B
8"	9'	((8')) 6'	#4 @ ((16")) 20" O.C. <sup>(7) 9</sup>	#4 @ ((48")) 36" O.C. <sup>8</sup>	24"	30"	B
8"	9'	((9')) 7'	#4 @ ((12")) 16" O.C. <sup>(7) 9</sup>	#4 @ ((48")) 36" O.C. <sup>8</sup>	16"	20"	C
8"	9'	((9')) 8'	#4 @ 12" O.C. <sup>(7) 9</sup>	#4 @ ((48")) 36" O.C. <sup>8</sup>	10"	12"	C

Footnotes:

1. A design in accordance with accepted engineering practice shall be provided when any of the following exist:
  - a. Walls are subject to hydrostatic pressure from groundwater.
  - b. Walls supporting more than 48" of unbalanced backfill that do not have permanent lateral support at the top and bottom. Unbalanced backfill height is the difference in height of the exterior and interior finish ground levels.
2. The floor diaphragm shall be completed before backfilling or the foundation wall sufficiently braced to prevent damage by the backfill.
3. This table is designed for use in the following soil classes in accordance with the United Soil Classification system: GW, GP, SW, SP and GM (40 pcf active soil pressure.) Refer to Tables R405.1 and

1610.1.

4. This table is not intended to prevent temperature and shrinkage cracks. Reinforcing steel shall be placed on tension side of the wall and provided not less than  $\frac{3}{4}$  inch cover from the face of the wall. In concrete cast against earth reinforcing shall be placed a minimum of 3 inches from the soil.

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

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

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

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

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

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

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

11. Prescriptive Support Requirements:

Type

Joist/blocking Attachment Requirement

- A. 3 8d per joist per Table R602.3(1)
- B. 1 20 gage angle clip each joist with 5 8d per leg.
- C. 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.

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

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

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

**Thickness based on soil loads, unbalanced backfill height and wall height (IBC 1805.5.1.2).** The thickness of foundation walls shall comply with the requirements of Table 1805.5(5) or Table 1805.5(6) for concrete walls, Table 1805.5(1) for plain masonry walls or Table 1805.5(2), 1805.5(3) or 1805.5(4) for masonry walls with reinforcement. When using the tables, masonry shall be laid in running bond and the mortar shall be Type M or S.

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

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

**Footings and foundations - foundation walls - foundation wall materials.** Section 1805.5.2 of the



International Building Code is not adopted and the following is substituted:

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

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

**Footings and foundations - foundation walls -concrete foundation walls.** Section 1805.5.2.1 of the International Building Code is not adopted and the following is substituted:

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

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

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

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

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

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

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

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

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

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

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

1. The finished surface of the floor above the basement is more than 6 feet above grade plane; or
2. The finished surface of the floor above the basement is more than 12 feet above the finished ground level at any point: or
3. The basement has more than 60% of the perimeter wall framing comprised of studs greater than 36 inches in length.

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

**Additions, alterations or repairs - Existing buildings or structures.** Section 3403.1 and all of its

subsections of the International Building Code (~~(is)~~) are not adopted and the following is substituted:

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

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

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

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

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

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

**Appendix (~~(K)~~) Z, Sound transmission control - Sea-Tac sound reduction standards - Purpose.**

The International Building Code is supplemented by the following appendix:

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

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

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

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

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

This chapter is intended to supplement the provisions of the International Residential Code, the International Mechanical Code, the Washington state Energy Code, and the International Building Code. In the case of conflict between the chapter and any other applicable codes the more restrictive requirements shall be met.

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

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

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

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

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

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

**Details (IBC ((AK)) AZ 104).** The plans and specifications shall show in sufficient detail all pertinent data and features of the building, equipment and systems, as herein governed, including, but not limited to: exterior envelope component materials; STC rating of applicable component assemblies; R-values of applicable insulation materials; size and type of apparatus and equipment; equipment and system controls and other pertinent data to indicate conformance with the requirements herein.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) Neighborhood Reinforcement Area:

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

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

(b) Cost-Share Insulations Area:

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

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

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

**Appendix (~~K~~) Z, Sound transmission control - Air leakage for all buildings.** The International Building Code is supplemented by the following appendix:

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

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

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

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

2) Openings between walls and foundations.

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

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

5) Between wall panels at corners.

6) All other openings in the building envelope.

(c) Through the wall, floor, or roof/ceiling penetrations not specifically addressed in these sections shall be designed to limit sound transmission and shall have the same average laboratory sound transmission

classification as required for doors.

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

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

**Building requirements for a noise level reduction of 25 dB compliance (IBC ((AK)) AZ 110).**

Compliance with ((AK)) AZ 111 through ((AK)) AZ 116 shall be deemed to meet requirements for a minimum noise level reduction (NLR) of 25 decibels.

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

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

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

- (a) Exterior walls, other than as described in this section, shall have a laboratory sound transmission class rating of at least STC-30; or
- (b) Masonry walls having a weight of at least 25 pounds per square feet do not require a furred (stud) interior wall. At least one surface of concrete block walls shall be plastered.
- (c) Stud walls shall be at least 4 inches in nominal depth and shall be finished on the outside with solid sheathing under an approved exterior wall finish.
1. Interior surface of the exterior walls shall be of gypsum board or plaster at least 1/2 inch thick, installed on the studs.
  2. Continuous composition board, plywood or gypsum board sheathing at least 1/2 inch thick shall cover the exterior side of the wall studs.
  3. Sheathing panels shall be covered on the exterior with overlapping building paper.



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

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

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

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

- (a) Windows other than as described in this section shall have a laboratory sound transmission class rating at least STC-28; or
- (b) Glass shall be at least 3/16" thick.
- (c) All windows that open shall be weather-stripped and airtight when closed so as to conform to an air infiltration test not to exceed 0.5 cubic feet per minute per foot of crack length in accordance with ASTM E-283 -65-T.
- (d) Glass shall be sealed in an airtight manner with a nonhardening sealant or a soft elastomer gasket or gasket tape.
- (e) The perimeter of window frames shall be sealed airtight to the exterior wall construction with a sealant conforming to one of the following Federal specifications: TT-S-00227, TT-S-00230 or TT-S-00153.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(c) Bathroom, laundry and similar exhaust ducts connecting the interior space to the outdoors, shall contain at least a 5-foot length of internal sound-absorbing duct lining or external sound-absorbing duct insulation of at least R-11 thickness. Exhaust ducts less than 5 feet in length shall be fully lined and shall also meet the provisions of ((AK)) AZ 109(c). Each duct shall be provided with a bend in the duct such that there is no direct line-of-sight through the duct from the venting cross-section to the room-opening cross-section. Duct lining shall be coated glass fiber duct line at least 1 inch thick. In areas (i.e. shower rooms) which produce moisture, duct lining shall be made of non-absorbent material. Commercial kitchen exhaust systems and product conveying duct systems (Chapter 5 IMC) shall be exempt.

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

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

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

**Building requirements for a noise level reduction of 30 dB compliance (IBC ((AK)) AZ 117).**

Compliance with ((AK)) AZ 118 through ((AK)) AZ 124 shall be deemed to meet requirements for a minimum noise level reduction (NLR) of 30 decibels.

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

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

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

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

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

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

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

2. Continuous composition board, plywood, or gypsum board sheathing at least 3/4" thick shall cover

the exterior side of the wall studs.

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

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

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

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

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

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

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

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

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

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

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

**Appendix ((K)) Z, Sound transmission control - Exterior doors 30 dB compliance.** The

International Building Code is supplemented by the following appendix:

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

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

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

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

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

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

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

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

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

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

(a) Combined roof and ceiling construction other than described in this section and ((AK)) AZ 122 shall

have a laboratory sound transmission class rating of at least STC-44; or

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

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

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

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

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

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

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

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

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

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

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

**EXCEPTION:** Floors over fully enclosed garages or over carports shall have a laboratory sound

transmission class rating of at least STC-35. The floor over the garage or carport shall be insulated to not less than R-19, but not less than that specified by the Washington state energy code and enclosed with one layer of 5/8" type 'X' GWB on the garage or carport side or any equivalent approved garage or dwelling separation assembly in conformance with IRC section R309.2.

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

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

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

(a) A ventilation system shall be installed that would provide the minimum air circulation and fresh air supply requirements for various uses in occupied rooms without the need to open any windows, doors or other openings to the exterior. The inlet and discharge openings shall be fitted with sheet metal transfer ducts of at least ((20)) 26 gauge steel, which shall be lined with 1" thick coated glass fiber or insulated with R-11 sound-absorbing duct insulation, and shall be at least 5 feet long with one 90 degree bend.

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

(c) Bathroom, laundry, and similar exhaust ducts connecting the interior space to the outdoors, shall contain at least 10-foot length of internal sound-absorbing duct lining. Exhaust ducts less than 10 feet in length shall be fully lined and shall also be the provisions of ((AK)) AZ 109(c). Each duct shall be provided with a lined 90 degree bend in the duct such that there is no direct line-of-sight through the duct from the venting cross-section to the room opening cross-section. Duct lining shall be coated glass fiber duct liner at least 1" thick or



insulated with R-11 sound-absorbing duct insulation. In areas (i.e. shower rooms) which produce moisture, duct lining shall be made of non-absorbent material. Commercial kitchen exhaust systems and product conveying duct systems (Chapter 5 U.M.C.) shall be exempt.

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

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

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

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

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

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

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

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

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

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

1. Interior surface of the exterior walls shall be of gypsum board or plaster at least 5/8" thick installed on the studs. The gypsum board or plaster may be fastened rigidly to the studs if the exterior is brick veneer or stucco. If the exterior is stucco or siding, the interior gypsum board or plaster must be fastened resiliently to the studs or double thickness must be used.

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

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

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

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

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

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

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

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

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

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

gasket tape.

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

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

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

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

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

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

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

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

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

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

SECTION 67. Ordinance 12560, Section 95, as amended, and K.C.C. 16.04.830 are each hereby

amended to read as follows:

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

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

- (a) Combined roof and ceiling construction other than as described in this section and ((AK)) AZ 130 shall have a laboratory sound transmission class rating of at least STC-49; or
- (b) With an attic or rafter space at least 6" deep, and with a ceiling below, the roof shall consist of ((4" )) composition board, plywood or gypsum board sheathing, or any combination of these materials of unequal thickness, that is at least 1 " thick and topped by roofing as required.
- (c) Open beam roof construction shall follow the energy insulation standard method for batt insulation, except use 1" plywood decking with concrete or clay tiles as roofing material.

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

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

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

- (a) Gypsum board or plaster ceiling at least 5/8" shall be provided where required by ((AK)) AZ 129, above. Ceiling shall be substantially airtight with a minimum of penetrations. The ceiling panels shall be mounted on resilient clips or channels.
- (b) Glass fiber or mineral wool insulation at least R-30 shall be provided above the ceiling between joists.

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

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

Building Code is supplemented by the following appendix:

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

**EXCEPTION:** Floors over fully enclosed garages or over carports shall have a laboratory sound transmission class rating of at least STC-40. The floor over the garage or carport shall be insulated to not less than R-19, but not less than that specified by the Washington state energy code and enclosed with two layers of 5/8" type 'X' GWB on the garage or carport side or any equivalent approved garage/dwelling separation assembly in conformance with IRC section R309.2.

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

**Appendix ((K)) Z, Sound transmission control - Ventilation 35 dB compliance.** The International Code is supplemented by the following appendix:

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

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

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

(c) Bathroom, laundry, and similar exhaust ducts connecting the interior space to the outdoors, shall contain at least a 10-foot length of internal sound-absorbing duct lining or insulated with R-11 sound-absorbing duct insulation. Exhaust ducts less than 10 feet in length shall be fully lined and shall also meet the provisions of (AK) AZ 109(c). Each duct shall be provided with a lined 90 degree bend in the duct such that there is no direct line-of-sight through the duct from the venting cross-section to the room-opening cross-section. Duct lining shall be coated glass fiber duct liner at least 1" thick or R-11 sound-absorbing duct insulation. In areas such as shower rooms which produce moisture, duct lining shall be made of non-absorbent material. Commercial kitchen exhaust systems and product conveying duct systems (Chapter 51) shall be exempt.

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

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

**Mandatory residential inspection of conversion condominium.**

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

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

C. Prior to the conveyance of any residential unit within a conversion condominium, the declarant shall repair all violation disclosed in the residential inspection report which are not waived by the department and

shall obtain certification from the department that such have been properly made. Certification of repairs by the department shall be based upon a reinspection of the conversion condominium premises, to be performed within seven days of the declarant's written request. Certification shall be issued within seven days following reinspection if the property is then determined to be in compliance.

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

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

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

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

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

1. A building permit must be obtained for any factory-built commercial structure or commercial coach pursuant to the permit process and procedures for type 1 permits outlined in K.C.C. chapter 20.20.
2. The following criteria must be satisfied for the permanent installation of a factory-built commercial structure or commercial coach before a building permit can be issued:
  - a. The appropriate insignia of the Washington State Department of Labor and Industries of the U.S.

Department of Housing and Urban Development must be affixed to the unit. If the unit is lacking the

appropriate insignia it must satisfy the structural, mechanical, electrical and plumbing requirements of the International Building, Mechanical and other applicable codes as adopted in King County for conventional commercial structures.

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

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

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

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

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

**Inspection and enforcement.**

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

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

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

C. Authority. The director is authorized and directed to enforce this chapter. The director is authorized



to promulgate, adopt, and issue those rules and regulations necessary to the effective and efficient administration of this chapter, such rules and regulations to be adopted and maintained in accordance with the provisions for the rules of county agencies, K.C.C. chapter 2.98.

D. Plan Reviews and Inspections. All buildings constructed under the provisions of this chapter are subject to a final inspection for compliance with this chapter. The director has the authority to establish rules and procedures for accepting at his/her option an affidavit of substantial compliance with this chapter in lieu of plan reviews and/or inspections.

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

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

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

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

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

**Building Planning - Design criteria - Climate and Geographical Design Criteria for King County.**

Table R301.2(1) of the International Residential Code is not adopted and the following is substituted:

**Table R301.2(1)**

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

Ground snow load	Wind speed (mph)	Seismic design category	Subject to damage				Winter design temp.	Ice-shield required	Flood hazards	Air freezing index	Mean annual temp.
			Weather	Frost line depth	Termi	Decay					
Varies <sub>1</sub>	85	D1 or D2 <sub>2</sub>	Mode	12" < 1,000 elev. <sub>3</sub>	Slight Mod.	Slight to Mod.	25	No	Varies <sub>4</sub>	100 to 250	50

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

2. Seismic design category shall be D1 for areas of unincorporated King County to the east of the Snoqualmie River as it traverses from the King County-Snohomish County line to the city limits of Snoqualmie, east of the town of Snoqualmie, east of the Snoqualmie Parkway and the Echo Lake-Snoqualmie Cut-off SE as they run from the city limits of the town of Snoqualmie to State Highway 18 and to the south or east of State Highway 18. All other portions of unincorporated King County shall be seismic design category D2.

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

4. Flood hazard within King County varies. See the flood hazard code provisions of K.C.C. chapter

21A.24.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Under floor space - Flood resistance.** Section R(~~408-6~~)408.7 of the International Residential Code is not adopted and the following is substituted:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

substituted:

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

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

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

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

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

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

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

(44 mm).

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

8. Access gates shall comply with the requirements of Section AG105.2, Items 1 through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches (1,372 mm) from the bottom of the gate, the release mechanism and openings shall comply with the following:

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

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

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

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

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

9.3. Other means of protection , such as self-closing doors with self-latching devices, which are



approved by the building official, shall be acceptable so long as the degree of protection afforded is not less than the protection afforded by item 9.1 or 9.2 described above.

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

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

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

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

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

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

~~((Fence))~~ **Barrier required - Exception (IRC AG 105.6).** Every person who owns real property, or any person who is in possession of real property either as owner, purchaser under contract, as the lessee, tenant or licensee, and which real property is located within the boundaries of any residential single-family district zone or which is located within the boundaries of any suburban residential district, under the zoning code, and which property is located within the unincorporated area of King County, and upon which real property there is situated a manmade, hard-surfaced swimming pool; or, any such person above named who hereinafter constructs upon any real property, as above designated, a manmade, hard-surfaced swimming pool, shall erect thereon and maintain thereupon ~~((a solid structure or a fence not less than five feet in height with no opening therein, other than doors or gates, larger than six inches square))~~ barriers meeting the requirements of AG 105.2 through AG 105.5. The ~~((fence or other solid structure))~~ barriers shall completely surround such swimming

pool in such a manner as to minimize, as near as possible, the danger of unsupervised children gaining access thereto. All gates or doors opening through such enclosure shall be equipped with a self-closing and self-latching device designed to keep and capable of keeping such doors or gates securely closed at all times when not in actual use(~~(, and all latches shall be placed at least four and one-half feet above the ground or shall be made inaccessible to small children from the outside; provided, however, that the door to any dwelling occupied by human beings and forming any part of the enclosure hereinabove required need not be so equipped~~)). ~~((Such fencing and latches))~~ Barriers shall be installed prior to the filling of the pool with water for use.

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

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

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

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

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

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

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

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

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

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

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

1. A masonry structure constructed without structural reinforcement or reinforced only with joint reinforcement;
2. A structure classified as Category III or IV for importance factor as defined by Table 1604.5 IBC;
3. A structure that is four or more stories in height;
4. ~~((A structure with a Group LC occupancy, as defined by WAC 51-50-0313, having more than ten clients, or having more than five clients total having an evacuation capability classified as II or III, as defined by WAC 51-50-0419;~~
- 5.)) A structure that contains a Group H occupancy, as defined in IBC 307; or

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

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

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

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

**EXCEPTION:**

1. Structures more than 3 stories in height shall comply with IBC 3411.3 as modified by the codes.
2. On sites in seismic design category D2 as described in IRC Table R301.2(1) and on sites 2000 feet or more above sea level, repair of buildings and structures in accordance with this subsection is limited to repair of buildings or structures one or two stories in height.
3. On sites 2500 feet or more above sea level, repair of buildings and structures in accordance with this section is limited to repair of one story in height structures.

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

- Damaged required braced panels shall be repaired or replaced.
- The wood frame shall be attached to the foundation with not less than the following, or its equivalent: one-half inch anchor bolt at six feet on center where one floor is supported on the foundation; or one-half inch anchor bolt at four feet on center where two or three stories are supported on the foundation.

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

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

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

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

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

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

3.5. No braced wall panel less than two feet in width shall be considered to satisfy a portion of the overall length requirement, unless fully complying with ~~((all the provisions of the listing of an approved shear panel))~~ the listing of an approved wall panel or IBC 2308.9.2.3 alternative bracing wall panel adjacent to a door or window opening.

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

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

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

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

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

1. The devices are equipped with approved release mechanisms which are openable from the inside without the use of a key or special knowledge or effort: and
2. The building is equipped with smoke detectors installed in accordance with the Building Code.

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

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

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

SECTION 102. Ordinance 14111, Section 118, as amended, and K.C.C. 16.12.010 are each hereby

amended to read as follows:

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

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

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

SECTION 104. Ordinance 14111, Section 129, as amended, and K.C.C. 16.14.010 are each hereby amended to read as follows:

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

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

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

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

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

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

**Emergency measures - Emergency demolition permit in lieu of preparing a rapid abatement plan.**

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

**Emergency measures -- Emergency demolition permit in lieu of preparing a rapid abatement plan**

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

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

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

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

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

1. The code official shall be responsible for determining whether a structure, or a portion thereof,



damaged by a disaster, is an immediately hazardous and dangerous structure, as defined in K.C.C. 16.03.180, and represents an imminent hazard to public health and safety or poses an imminent threat to the public right-of-way.

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

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

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

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

SECTION 108. Ordinance 14238, Section 11, as amended, and K.C.C. 16.14.360 are each hereby

amended to read as follows:

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

**Rapid abatement plan - time frame for submittal (IPMC 109.13).** The following time frames are established for the submittal of a rapid abatement plan or an application for an emergency demolition permit in lieu of preparing a rapid abatement plan. A maximum of two extensions, of forty-eight hours each, may be added to the initial time frame established for submittal of the rapid abatement plan or an application for an emergency demolition permit in lieu of preparing a rapid abatement plan. The time frames are measured from the time of posting the placard on the structure. Immediate demolition or abatement can occur prior to submittal of the rapid abatement plan or an application for an emergency demolition permit in lieu of preparing a rapid abatement plan, when indicated. The street groups are classified in K.C.C. 16.21.080.

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

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

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

1.3. When a structure does not represent an imminent threat to public health and safety, but threatens a

Group II street or road and an alternative route is available, the owner is required to submit an abatement plan or an application for an emergency demolition permit in lieu of preparing a rapid abatement plan within seventy-two hours. When no alternative route is available, the owner is required to submit an abatement plan or an application for an emergency demolition permit in lieu of preparing a rapid abatement plan within forty-eight hours.

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

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

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

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

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

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

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

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

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

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

**Emergency measures - Rapid abatement plan - street and road groups.** Section 109 of the International Property Maintenance Code is supplemented with the following:

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

1. Group I streets and roads are principal arterial, minor arterial, collector arterial or "collector" and neighborhood collectors.
2. Group II streets and roads are subcollectors and business access streets.
3. Group III streets and roads are subaccess streets, minor access streets (Residential), multiple dwelling access streets, industrial access streets and minor access streets (Commercial).

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

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

**Rapid abatement plan - time frame for completion of abatement (IPMC ((109.15)) 109.16).**

Approval by the code official of the rapid abatement plan or the application for emergency demolition in lieu of a rapid abatement plan constitutes authority to proceed with abatement. If the code official approves the rapid abatement plan or the application for an emergency demolition permit in lieu of preparing a rapid abatement plan, the owner, or owner's agent, shall complete abatement in accordance with the plan within forty-eight hours of obtaining approval of the plan. Within twenty-four hours of completion of the abatement work, the owner, or owner's agent, shall provide the code official with a written signed verification that the abatement has been completed in conformance with the approved rapid abatement plan. When the abatement includes structural repairs, the verification shall include a written, signed and stamped report from the owner's architect or structural or civil engineer attesting that the engineer has visited the site and that repairs have been completed in general conformance with the approved rapid abatement plan or an application for emergency demolition permit in lieu of preparing a rapid abatement plan. This written signed and stamped report from the owner's architect or structural or civil engineer and the written and signed verification by the owner or owner's agent may be made by completing and signing and standard form provided by the department of development and environmental services.

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

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

**Emergency demolition permit in lieu of preparing a rapid abatement plan - disapproval by the code official (IPMC 109.17).** In each case where an application for an emergency demolition permit in lieu of preparing rapid abatement plan is disapproved, the code official shall state the reasons for disapproval to the

owner, or the owner's agent. Notice of disapproval can be either by direct conversation, a telephone conversation, fax, a written notice of disapproval mailed to the owner, or owner's agent, or any other method determined by the code official. Regardless of the method used for notice of disapproval, the owner, or the owner's agent, must submit a revised application for an emergency demolition permit in lieu of preparing a rapid abatement plan addressing the deficiencies noted by the code official in the notice of disapproval within seventy-two hours.

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

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

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

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

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

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

cases:

1. If the owner fails to respond to the notice of abatement, responds untimely, or responds timely but fails to complete abatement within the required time frame; or
2. If the owner cannot be located within the established time frame; or
3. When the code official determines the structures is an imminent hazard to public health and safety or an imminent threat to the public right-of-way, which must be abated immediately.

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

**Adoption of Uniform Plumbing Code.** ~~((The Uniform Plumbing Code, Chapters 1 through 10, with Appendices "A" through "D", 1991 Edition, IAPMO Installation Standards, 1991 Edition, 2-90, 3-89, 4-90, 5-90, 6-89, 7-90, 8-89, 9-90, 10-90, 11-87, 12-90, 13-84, 17-90, 18-85, 20-90, 21-89, 22-90, 23-90, 24-90, 25-90, and Chapter 22 of the 1991 Uniform Mechanical Code all published by the International Association of Plumbing and Mechanical Officials, are hereby adopted and together with the provisions of this chapter shall constitute the official Plumbing Code of King County.))~~ A. Chapters 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, and 16 and Appendix A, B, and I of the Uniform Plumbing Code, 2006 Edition, as published by or jointly with the International Association of Plumbing and Mechanical Officials and as amended in chapters 51-56 WAC and 51-57 WAC, and the gas piping provisions of the International Fuel Gas Code, 2006 Edition, the National Fuel Gas Code, 2006 Edition (2002 NFPA 54), the Liquefied Petroleum Gas Code, 2004 Edition (2001 NFPA 58) as amended in chapter 51-52 WAC, and the International Residential Code, 2006 Edition, as amended in chapter 51-51 WAC, are hereby adopted and together with King County amendments, additions and deletions adopted in this chapter are adopted as the King County Plumbing Code and may be cited as such and referred to in this chapter as "this code." This ~~((chapter))~~ code shall have precedence over documents adopted by reference.

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

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

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

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

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

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

**Fees - permit fees - double permit fee requirements - fees for reinspection service.**

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

**SCHEDULE OF FEES**

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

\$110.00



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

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

Vacuum breaker - one to five - each device \$10.00

Vacuum breaker - over five - each device \$5.00

Pressure vacuum breaker \$10.00

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

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

Each additional device or assembly \$12.00

#### FEES FOR MISCELLANEOUS INSPECTION SERVICES

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

Fees for permanent location inspection of factory housing or modular unit containing plumbing - For each single-family dwelling or each modular unit containing

plumbing \$20.00

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

Additional plumbing fixtures installed after factory installation of plumbing for each plumbing fixture or trap

\$10.00

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

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

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

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

B. Any person who commenced work for which a permit is required by this code without first having obtained the permit((;)) shall upon subsequent application for the permit pay double the fee fixed by the schedule of fees for the work in subsection A of this section unless it is proved to the satisfaction of the ((~~administrative~~)) authority having jurisdiction that the work was urgently necessary and that it was not practical to obtain a permit before the commencement of the work. In all such emergency cases, a permit shall be obtained as soon as it is practical to do so, and if there is an unreasonable delay in obtaining the permit, a double fee shall be charged as provided in this code.

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

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

for an expired permit.

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

**Board of appeals.**

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

1. ~~((one))~~ One member representing journeyman plumbers~~((;))~~;
2. One member representing plumbing contractors~~((;))~~;
3. One member representing professional mechanical engineers ~~((and))~~;
4. One member representing building owners; and
5. ~~((two))~~ Two members representing the public.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Service by mail: Service by mail may be made for a stop work order by mailing two copies, postage prepaid, one by ordinary first class mail and the other by certified mail, to the property owner and to any person engaged in doing or causing such work to be done, at his or her last known address, at the address of the location of the work being done, or at the address of the place of business of the person being served. The taxpayer's address as shown on the tax records of the county shall be deemed to be the proper address for the purpose of mailing such notice to the person being served. Service by mail shall be presumed effective upon the third business day following the day upon which the stop work order was placed in the mail.

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

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

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

**Authority to Correct Hazardous or Insanitary Plumbing.** Section 102.2.5 of the Uniform Plumbing

Code is not adopted and the following is substituted:

Authority to Correct Hazardous or Insanitary Plumbing (UPC 102.2.5). Whenever the authority having jurisdiction ascertains that any plumbing system or portion thereof, regulated by this code, has become hazardous to life, health, property, or has become insanitary, the authority having jurisdiction shall order in writing that such plumbing either be removed or placed in a safe or sanitary condition, as appropriate. The order shall fix a reasonable time limit for compliance. No person shall use or maintain defective plumbing after receiving such notice.

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

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

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

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

It is the specific intent of this code to place the obligation of complying with its requirements upon the owner or occupier of premises within this code's scope, and no provision nor term used in this code is intended to impose any duty whatsoever upon the authority having jurisdiction or any of the authority having jurisdiction's officers or employees, for whom the implementation or enforcement of this code shall be

discretionary and not mandatory.

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

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

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

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

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

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

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

Penalties (UPC 102.3.2). Any person, firm, corporation or other entity violating any provision of this code shall be deemed guilty of a misdemeanor, and upon conviction thereof, shall be punishable by a fine and/or imprisonment in accordance with K.C.C. Title 23 or state law. Each separate day or any portion thereof,



during which any violation of this code occurs or continues, shall be deemed to constitute a separate offense.

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

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

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

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

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

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

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

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

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

provisions of this code shall be valid.

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

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

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

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

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

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

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

- (1) The permit holder committed a violation of this code or other ordinances, or any rules and

regulations adopted by the authority having jurisdiction, in the course of performing activities subject to that permit;

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

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

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

B. The suspension, revocation or limitation shall be carried out through the notice and order provisions of K.C.C. Title 23, is effective on the date established by the notice and order and may be appealed to the King County hearing examiner in accordance with the appeal provisions of K.C.C. Title 23.

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

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

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

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

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

Reinspection fees may be assessed when the approved plans are not readily available to the inspector,

for failure to provide access on the date for which the inspection is requested, or for deviating from plans when such deviation requires but has not received the approval of the authority having jurisdiction.

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

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

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

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

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

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

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

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

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

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

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

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

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

Parking Garage Drainage Systems (UPC 1018.1). All floor drainage under the roof of a parking garage shall be connected to the sanitary drainage system, through the use of a sand interceptor. When the top floor of the building is used as a roof as well as a parking area, the drainage from the roof shall be connected to the storm drainage system. Drainage from conventional plumbing fixtures shall not be inter-connected with the floor drainage system. However, drainage lines from car or truck washing equipment may be connected to the floor drainage system through an approved sand interceptor. Floor drainage waste lines shall be a minimum of three inches in size. Waste unit loading for three-inch or larger size floor drainage piping shall be sized in accordance with table 7-5 of this code. Floor drains or floor drain openings shall be equipped with approved strainers and need not be trapped when connected to the building drain through a properly trapped and vented sand interceptor. Traps shall not be used when the floor drains are located in areas exposed to freezing temperatures. The waste line from floor drains entering a sand interceptor shall be above the waste line discharging from the sand interceptor to the building drain. The sand interceptor receiving the floor drains shall have a water seal of not less than six inches. Floor drain traps need not be vented individually if line venting is used through an approved indirect waste system with a properly trapped and vented sand interceptor. A line vent for floor drains shall terminate through the roof or to an approved location in the outside atmosphere. When using line venting, the terminating vents, if more than one, shall be equal in cross sectional area to the

size of the waste line entering the sand interceptor or the line vent may continue full size from the sand interceptor to the point of termination. All plans for parking garage floor drainage systems shall be submitted to the authority having jurisdiction prior to installation for approval. This section shall not apply to one-family or two-family dwellings.

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

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

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

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

B. Ordinance 12560, Section 42, as amended, and K.C.C. 16.04.220 are each hereby repealed.

C. Ordinance 12560, Section 38, as amended, and K.C.C. 16.04.230 are each hereby repealed.

D. Ordinance 12560, Section 39, as amended, and K.C.C. 16.04.240 are each hereby repealed.

E. Ordinance 14914, Section 166, and K.C.C. 16.04.460 are each hereby repealed.

SECTION 140. A. Ordinance 14914, Section 311, and K.C.C. 16.12.015 are each hereby repealed.

B. Ordinance 12560, Section 100, as amended, and K.C.C. 16.12.020 are each hereby repealed.

C. Ordinance 14914, Section 313, and K.C.C. 16.12.025 are each hereby repealed.

D. Ordinance 12560, Section 101, as amended, and K.C.C. 16.12.030 are each hereby repealed.

E. Ordinance 14914, Section 315, and K.C.C. 16.12.035 are each hereby repealed.

F. Ordinance 12560, Section 105, as amended, and K.C.C. 16.12.070 are each hereby repealed.

G. Ordinance 14914, Section 317, and K.C.C. 16.12.075 are each hereby repealed.

H. Ordinance 12560, Section 106, as amended, and K.C.C. 16.12.080 are each hereby repealed.

- I. Ordinance 12560, Section 107, as amended, and K.C.C. 16.12.090 are each hereby repealed.
- J. Ordinance 12560, Section 108, as amended, and K.C.C. 16.12.100 are each hereby repealed.
- K. Ordinance 14914, Section 321, and K.C.C. 16.12.110 are each hereby repealed.
- L. Ordinance 12560, Section 104, as amended, and K.C.C. 16.12.120 are each hereby repealed.
- M. Ordinance 14914, Section 324, and K.C.C. 16.12.130 are each hereby repealed.
- N. Ordinance 12560, Section 102, as amended, and K.C.C. 16.12.140 are each hereby repealed.
- O. Ordinance 12560, Section 103, as amended, and K.C.C. 16.12.150 are each hereby repealed.
- P. Ordinance 14914, Section 329, and K.C.C. 16.12.160 are each hereby repealed.

SECTION 141. A. Ordinance 6746, Section 3, and K.C.C. 16.32.010 are each hereby repealed.

- B. Ordinance 6746, Section 4, and K.C.C. 16.32.020 are each hereby repealed.
- C. Ordinance 6746, Section 6, as amended, and K.C.C. 16.32.040 are each hereby repealed.
- D. Ordinance 6746, Section 8, and K.C.C. 16.32.060 are each hereby repealed
- E. Ordinance 6746, Section 9, and K.C.C. 16.32.070 are each hereby repealed.
- F. Ordinance 6746, Section 11, and K.C.C. 16.32.090 are each hereby repealed.
- G. Ordinance 6746, Section 12, as amended, and K.C.C. 16.32.100 are each hereby repealed.
- H. Ordinance 6746, Section 13, and K.C.C. 16.32.110 are each hereby repealed.
- I. Ordinance 6746, Section 14, and K.C.C. 16.32.120 are each hereby repealed.
- J. Ordinance 6746, Section 15, and K.C.C. 16.32.130 are each hereby repealed.
- K. Ordinance 6746, Section 16, and K.C.C. 16.32.140 are each hereby repealed.
- L. Ordinance 6746, Section 17, and K.C.C. 16.32.150 are each hereby repealed.
- M. Ordinance 6746, Section 21, and K.C.C. 16.32.190 are each hereby repealed.
- N. Ordinance 6746, Section 22, and K.C.C. 16.32.200 are each hereby repealed.
- O. Ordinance 6746, Section 23, as amended, and K.C.C. 16.32.210 are each hereby repealed.
- P. Ordinance 6746, Section 26, and K.C.C. 16.32.240 are each hereby repealed.

- Q. Ordinance 6746, Section 27, and K.C.C. 16.32.250 are each hereby repealed.
- R. Ordinance 6746, Section 30, and K.C.C. 16.32.280 are each hereby repealed.
- S. Ordinance 6747, Section 31, as amended, and K.C.C. 16.32.290 are each hereby repealed.
- T. Ordinance 10589, Section 8, and K.C.C. 16.32.292 are each hereby repealed.
- U. Ordinance 10589, Section 9, and K.C.C. 16.32.297 are each hereby repealed.
- V. Ordinance 6746, Section 32, and K.C.C. 16.32.300 are each hereby repealed.
- W. Ordinance 10589, Section 10, and K.C.C. 16.32.305 are each hereby repealed.
- X. Ordinance 6746, Section 34, as amended, and K.C.C. 16.32.320 are each hereby repealed.
- Y. Ordinance 10589, Section 13, and K.C.C. 16.32.325 are each hereby repealed.
- Z. Ordinance 6746, Section 35, as amended, and K.C.C. 16.32.330 are each hereby repealed.
- AA. Ordinance 6746, Section 36, and K.C.C. 16.32.340 are each hereby repealed.
- BB. Ordinance 6746, Section 37, and K.C.C. 16.32.350 are each hereby repealed.
- CC. Ordinance 7136, Section 1, and K.C.C. 16.32.358 are each hereby repealed.
- DD. Ordinance 7136, Section 2, and K.C.C. 16.32.360 are each hereby repealed.
- EE. Ordinance 6746, Section 39, as amended, and K.C.C. 16.32.370 are each hereby repealed.
- FF. Ordinance 6746, Section 40, and K.C.C. 16.32.380 are each hereby repealed.
- GG. Ordinance 6746, Section 41, and K.C.C. 16.32.390 are each hereby repealed.
- HH. Ordinance 6746, Section 42, as amended, and K.C.C. 16.32.400 are each hereby repealed.
- II. Ordinance 6746, Section 43, as amended, and K.C.C. 16.32.410 are each hereby repealed.
- JJ. Ordinance 10589, Section 18, and K.C.C. 16.32.420 are each hereby repealed.
- KK. Ordinance 10589, Section 19, and K.C.C. 16.32.430 are each hereby repealed.

**SECTION 142. Severability.** If any provision of this ordinance or its application to any person or circumstance is held invalid the remainder of the ordinance or the application of the provision to other persons or circumstances is not affected.



SECTION 143. K.C.C. 16.32.468 is hereby decodified.

SECTION 144. Ordinance 6746, Section 48, is hereby amended as follows:

**Severability.** ~~((If any section, subsection, paragraph, sentence, clause or phrase of this chapter is for any reason held to be invalid or unconstitutional, such invalidity or unconstitutionality shall not affect the validity or constitutionality of the remaining portions of this chapter, it being herein expressly declared that this chapter and each section, subsection, paragraph, sentence, clause and phrase thereof would have been adopted irrespective of the fact that any one or more other sections, subsections, paragraphs, sentences, clauses or phrases be declared invalid or unconstitutional))~~ If any provision of this chapter or its application to any person or circumstance is held invalid the remainder of the chapter or the application of the provision to other persons or circumstances is not affected.

SECTION 145. **Effective date.** This ordinance takes effect July 1, 2007.