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**ORDINANCE NO. 215**

AN ORDINANCE OF THE CITY OF WOODINVILLE, WASHINGTON, ADOPTING THE WASHINGTON STATE BUILDING CODE, INCLUDING THE 1997 EDITIONS TO THE UNIFORM BUILDING CODE, UNIFORM FIRE CODE, UNIFORM PLUMBING CODE, UNIFORM MECHANICAL CODE, THE WASHINGTON ADMINISTRATIVE CODE AMENDMENTS TO THE SAME; ADOPTING THE 1997 UNIFORM SIGN CODE, UNIFORM CODE FOR ABATEMENT OF DANGEROUS BUILDINGS, KING COUNTY TITLE 13, BOARD OF HEALTH SEWAGE SYSTEMS AND CERTAIN LOCAL AMENDMENTS TO THE SAME; AND PROVIDING AN EFFECTIVE DATE.

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WHEREAS, the Washington State Legislature has adopted the 1997 editions to the Uniform Building, Fire, Plumbing, and Mechanical Codes, together with certain Washington Administrative Code ("WAC") amendments, and

WHEREAS, the Codes as amended will become effective in all cities and counties in the State of Washington on July 1, 1998, and

WHEREAS, the Woodinville Municipal Code must be amended to reflect the adoption of the new regulations, and

WHEREAS, as part of the Update to Title 15 of the Woodinville Municipal Code, the City desires to also adopt the 1997 Uniform Sign Code, Uniform Abatement of Dangerous Buildings and King County Title 13, Health Sewage System, and

WHEREAS, the City Council finds that the adoption of the 1997 Uniform Codes with certain local amendments is in the public interest, NOW, THEREFORE,

THE CITY COUNCIL OF THE CITY OF WOODINVILLE, WASHINGTON,  
DO ORDAIN AS FOLLOWS:

Section 1. Section 15.03.070 of the Woodinville Municipal Code is hereby amended to read as follows:

**15.03.070 Fire Chief and Fire Marshal designated.**

(1) The Chief of Woodinville Fire and Life Safety District shall be deemed to be the "Chief" or "Chief of the fire department" for the purposes of this ordinance.

(2) The Fire Marshal of Woodinville Fire and Life Safety District shall be deemed to the "Fire Marshal" for the purposes of this ordinance.

Section 2. Sections 15.03.100, 15.03.110, 15.03.120 and 15.03.130 of the Woodinville Municipal Code are hereby renumbered and reorganized to be subsections of Section 15.03.090, which is hereby amended to read as follows:

**15.03.090 Construction Code Administration.**

(1) Hours of construction. Except as otherwise provided in this ordinance, the activities regulated by this ordinance shall be limited to the following hours:

Monday through Saturday: 7 a.m. to 7 p.m.

Sunday and legal holidays: 10 a.m. to 7 p.m.

The Building official with the approval of the City Manager, or his/her designee, may alter work hours for specific short term projects.

Adoption by reference. The codes, standards, rules, and regulations adopted by this ordinance are adopted by reference thereto as though fully set forth herein. Not less than one (1) copy of each such codes, standards, rules, and regulations, in the form

in which it was adopted, and suitably marked to indicate amendments, additions, deletions, and exceptions as provided herein, shall be filed in the Building Official's office and be available for use and examination by the public.

(2) Code conflicts--Resolution.

(a) In case of conflict among the Building Code, the Fire Code, the Mechanical Code, and the Plumbing Code, the first named code shall govern over those following.

(b) In case of conflicts between other codes and provisions adopted by this ordinance, the code or provision that is determined to be most restrictive by the Building Official, shall apply.

(4) Liability. This ordinance shall not be construed to relieve or lessen the responsibility of any person, partnership, firm, association, or corporation owning, building, altering, constructing, or moving any building or structure as defined in this ordinance; nor shall the City or any agent thereof be held as assuming such liability by reason of inspection authorized herein or a certificate of inspection issued by the City or any of its agencies. Provided, the purpose of this code is not to create or otherwise establish or designate any particular class or group of persons who will or should be especially protected by the terms of this code.

(5) Interpretation. Whenever the underlined words appear on the codes adopted by reference in this ordinance they are to be interpreted as follows:

(6) Administrative Authority as the Building Official;

(7) Chief, or Fire Chief, or the Chief of the Bureau of Fire Prevention as the Fire Chief of Woodinville Fire and Life Safety District;

(8) Corporation Counsel as the City Attorney;

(9) City Treasurer as the Director of Finance;

(10) Local Zoning Code as the City of Woodinville Zoning Code;

(11) Municipal and the Jurisdiction as the City of Woodinville.

Section 3. Section 15.03.140, entitled "Violations and Penalties" is hereby renumbered as Section 15.03.100.

Section 4. Chapter 15.06 of the Woodinville Municipal Code is hereby amended to read as follows:

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**15.06.010 Adopted.** Pursuant to State Law (RCW Chapter 19.27) the Woodinville Building Code is the Washington State Building Code. The Washington State Building Code is composed of the following elements:

Washington State Code:

- (1) The 1997 Uniform Building Code (UBC) volumes 1, 2, and 3 including the Standards published/issued by the International Conference of Building Officials (ICBO); WAC 51-40
- (2) 1997 Uniform Fire Code volumes 1 & 2 including the standards published by ICBO and issued by the International Fire Code Institute; WAC 51-44/45;
- (3) 1997 Uniform Plumbing Code (UPC) published by ICBO and issued by International Association of Plumbing and Mechanical Officials; WAC 51-46/47;
- (4) 1997 Uniform Mechanical Code (UMC) published/issued by ICBO; WAC 51-42;
- (5) Washington State Energy Code 1995 Edition; WAC 51-11;
- (6) Washington State Ventilation and Indoor Air Quality Code 1997 Edition; WAC 51-13; and
- (7) Washington State Historic Building Code 1995 Edition WAC 51-19.

All amendments, supplements, modifications, exclusions, exemptions, and additions to the codes identified in subparagraphs

1 - 7 above by the Washington State Building Code Council and published in Title 51 Washington Administrative Code, including, but by no way of limitation, WAC Chapters 51-11, 51-13, 51-19 and 51-30, excluding section 1006.3.

**15.06.020 Additional Codes Adopted.**

- (1) 1997 Uniform Sign Code (USC) published/issued by ICBO.
- (2) 1997 Uniform Code for Abatement of Dangerous Buildings published/issued by ICBO.
- (3) King County Title 13 Board of Health Sewage System (septic regulations) 1987, WAC 272 - 1995.

Section 5. Chapter 15.09 of the Woodinville Municipal Code is hereby amended

to read as follows:

**CHAPTER 15.09  
CONSTRUCTION CODES ADOPTED**

\* \* \*

**15.09.020 Building Code Adopted.** The Uniform Building Code volumes 1, 2, and 3 including Standards, 1997 Editions, issued and published by the International Association of Building Officials is adopted in its' entirety, including Appendix Chapters 4, Swimming Pool Barriers; 15, Reroofing; 16, Div. #1 Structural Forces; 18, Foundation and Waterproofing; 29, Minimum Plumbing Fixtures; 31, Div. #2, Membrane Structures; 33, Excavation and Grading; 34 Div. #1, Existing Structures; together with Washington State Building Code Council Amendments; and the City of Woodinville amendments hereafter listed. Appendix chapters not listed herein are not adopted.

**15.09.030 Section 105.1 amended - Board of Appeals.** Section 105.1 of the Uniform Building Code, Board of Appeals, is hereby amended to read as follows:

UBC Section 105.1 The City hearing examiner. In order to hear and decide appeals of orders, decisions, or determinations made by the Building Official, the hearing examiner shall render all

decisions and findings in writing to the appellant with a duplicate copy to the Building Official.

**15.09.035 Section 106.35 amended.** Section 106.35 of the Uniform Building Code Permit application is hereby amended to include additional application requirements of 15.09.040(8)-(17).

**15.09.040 Section 106.3.1 amended.** Section 106.3.1 of the Uniform Building Code is amended by the addition thereof of new subsections to be known as UBC Subsection 106.3.1(8), (9), (10), (11), (12), (13), (14), (15), (16), and (17), to read as follows:

106.3.1(8). As much information as required to provide an accurate environmental disclosure.

106.3.1(9). The legal description, or the tax parcel number assigned pursuant to RCW 84.40.160, and the street address if available, and may include any other identification of the construction site by the prime contractor;

106.3.1(10). The property owner's name, address, and phone number;

106.3.1(11). The prime contractor's business name, address, phone number, current state contractor registration number."

106.3.1(12). At the time of filing a building permit application, the applicant shall submit all information required to be submitted, together with any application form and applicable fees therefore, for any of the following approvals which may be applicable to the proposed project:

- (1) Design Review;
- (2) Shorelines substantial development permit;
- (3) Land clearing, grading, or filling permit.
- (4) Site development permit.
- (5) Street development consistent with the City's grid road ordinance.

106.3.1(13). No building permit application shall be accepted for filing by the Building Official for any proposed project for which any of the approvals referred to in subsection 106.3.1.(12) are required unless the building permit application is accompanied by all information required to be filed for such required approvals.

106.3.1(14). When the City Engineer determines that certain improvements including, but not limited to, curbs, gutters, sidewalks, driveways across sidewalks, piped storm drainage, retaining walls, street illumination, landscaping, slope protection, and underground utilities are required at some future date by existing ordinance(s), no building permit application shall be approved by the Building Official for any proposed project unless the building permit application is accompanied by a properly executed Local Improvement District (LID) Covenant that has been recorded at the King County Department of Records.

Subsection 106.3.1(15). The requirements for a fully complete building permit application include compliance with Sections 106.3.1(1) through 106.3.1(15) and with RCW 19.27.097 (which relates to water supply).

Subsection 106.3.1(16). The permit applicant is required to establish and provide a designated contact person for all communications relating to the permit application, plan review, and on site construction issues. The contact person will manage all communications between the applicant, the designer or design team, the construction contractor and the City. The applicant may change the designated contact with proper notification to the Building Official.

Subsection 106.3.1(17). All plans for building structures that require structural calculations and design, will be required to have a structural engineer's stamp on the drawings and the matching attached design calculations.

The engineer's stamp will be required in addition to the Architect's or designer's. The engineer's stamp will be required to be specific i.e., a general civil engineer's stamp will not be accepted for structural design. The engineer must be licensed to do structural design in Washington State.

**Exceptions:**

- (1) R-3 residential and U accessory structures plans and calculations may be stamped by a designer.
- (2) Minor alterations such as tenant improvements may not require an engineer's design or stamp.
- (3) On site storm water vaults or similar structures, may be designed or stamped by the Civil engineer of record.

**15.09.050 Section 107.4 amended.** Subsection 107.4 of the Uniform Building Code is amended by the addition thereto of a new paragraph to read as follows:

All building and land surface modification (grading) permits, shall expire one (1) year from the date of issue. Building and grading permits may be renewed for one half (1/2) of the original permit fee which will extend the permit(s) an additional 1/2 year. No permit shall be active including renewals for longer than 18 months.

**15.09.060 Section 107.4.1 Amended--Expiration of plan review.** Section 107.4 of the Uniform Building Code, is hereby amended to read as follows:

**107.4.1 Expiration of Plan Review.** Applications for which no permit is issued within 180 calendar days following the date of application filing, or the applicant fails to respond to plan review request for 60 calendar days, shall expire by limitation, and plans and other data submitted for review may thereafter be returned to the applicant or destroyed by the Building Official. The Building Official may extend the time for action by the applicant for a period not exceeding 180 calendar days on request by the applicant showing that circumstances beyond the control of the applicant have prevented action from being taken. No application shall be extended more than once. In order to renew action on an application after expiration, the applicant shall reapply and pay a new plan review fee.

**Section 107.4.2.** The Building Official shall extend the life of an application if any of the following conditions exists:

(1) Compliance with a declaration of significance under the State Environmental Policy Act provisions is in progress; or

(2) Any other city review is in progress, provided City staff determines that the review is proceeding to a timely final City decision; or

(3) Litigation against the City is in progress, the outcome of which may affect the validity of any permit issued pursuant to such application.

107.4.3. Permit deemed ready to issue. Every permit deemed ready to issue by the Building Official under the provisions of this code shall be obtained by the applicant within 60 days of the notification of the availability of such permit by the Building Official. If the permit is not obtained within 60 days, the building official will void the permit. Upon cancellation of any such permit, the Building Official shall so notify the applicant by certified mail. No original decisions or interpretations shall be assumed when reapplying. If new codes are adopted prior to the new permit application the new codes shall apply. No refunds of plan review or permit application monies can be authorized after the permit is void.

**15.09.070. Section 108.5.6 amended.** Section 108.5.6 of the Uniform Building Code is hereby amended by the addition of a new paragraph to read as follows:

Buildings that have not received a final approval shall not be occupied without written approval of the Building Official. Occupancy without a certificate of occupancy will be a misdemeanor penalties shall be as prescribed in Chapter 1.03 WMC.

**15.09.080.** Subsection 109.5.2 of the Uniform Building Code is hereby amended to read as follows:

**Subsection 109.5.2 amended - Premise Identification.**

Approved numbers or addresses of a size not less than six inches (6") in height shall be placed on all new commercial buildings and construction sites. Existing buildings and on new single family residential buildings approved numbers or addresses to be not less than three inches (3") in height. Approved numbers or addresses

to be located in such a position as to be plainly visible and legible from the street or road fronting the property. Said numbers shall contrast with their background.

**15.09.090. Section 302.5 amended - Mechanical Equipment Room Occupancy Separation.** Section 302.5 of the Uniform Building Code is hereby amended to read as follows:

Section 302.5 Mechanical Equipment and Room Occupancy Separation In Groups A; B; E; F; I; M; R, Division 1; and S Occupancies, rooms containing a boiler, central heating or other gas or oil fired mechanical equipment, or hot-water supply boiler shall be separated from the rest of the building by not less than a one-hour occupancy separation, floor, walls, and ceiling.

**EXCEPTIONS:**

- (1) In Groups B, F, I, M and S Occupancies, mechanical equipment with accumulative BTU load less than 400,000 BTU per hour (117.2 kW) input.
- (2) In Group R, Division 1 Occupancies, a separation need not be provided for such rooms with equipment serving only one dwelling unit.
- (3) Groups A and E Occupancies shall be separated from heating or fuel burning mechanical equipment by minimum of one-hour occupancy separation. Regardless of BTU load, fire dampers will be required in all ducts (return) penetrating the room or space.
- (4) All other occupancies where accumulative BTU load is over 400,000, BTU will require a minimum of one hour fire protection.

In Group A & E Occupancies, when the opening for a mechanical equipment room is protected by a pair of fire doors, the inactive leaf shall be normally secured in the closed position and shall be openable only by the use of a tool. An astragal shall be provided and the active leaf shall be self-closing.

In Group H Occupancies, rooms containing a boiler, central heating plant or hot-water supply boiler shall be separated from the rest of the building by not less than a two-hour occupancy

separation. In Divisions 1 and 2, there shall be no openings in such occupancy separation except for necessary ducts and piping. All ducts will have rated fire dampers.

For opening in exterior walls of equipment rooms in Groups A, E or I Occupancies, see Section 303.8.

**15.09.100. Section 302.6 amended - Water Closet Room Separation.**

Section 302.6 of the Uniform Building Code is hereby amended to read as follows:

Section 302.6. In all commercial industrial occupancies Water Closet Room Separation. A room in which a water closet is located shall be separated from food preparation or storage rooms by a tight-fitting weather sealed door.

**15.09.110. Section 310.2.2 amended - Special Provisions amended--Construction, height, and allowable areas.**

Section 310.2.2 of the Uniform Building Code, is hereby amended to read as follows:

Storage or laundry rooms that are within Group R, Division 1 Occupancies that are used in common by tenants shall be separated from the rest of the building by not less than one-hour fire-resistive occupancy separation.

For Group R, Division 1 Occupancies with a Group S, Division 3 parking garage in the basement or first story, see Section 311.2.2.

For attic space partitions and draft stops, see Section 708.

Section 310.2.2.1. Special Provisions. Notwithstanding other provisions of this code, Group R Division 1 occupancies shall be not less than one hour fire resistance construction throughout. One hour occupancies separations are required between units from the lowest floor subsurface to the underside of the roofdeck.

**15.09.120. Section 403 amended -- Title change.** The title of section 403 of the Uniform Building Code is amended to read as follows:

“Special Provisions for all buildings seven or more stories in height”

**15.09.130. Section 403 amended.**

**Scope.** Section 403 of the Uniform Building Code is hereby amended to read as follows:

This section shall apply to all buildings seven or more stories, or 75 feet or more in height. Such buildings shall be provided with an approved sprinkler system in accordance with Section 1807(c). In addition, meet all building code requirements for high rise structures.

Definition of story for this section. For the purposes of this section, a story shall be defined as that portion of a building included between the upper surface of any floor and the surface of the next floor or roof above.

**15.09.140. Section 1804.7 amended--Drainage.** Section 1804.7 of the Uniform Building Code is hereby amended to read as follows:

Section 1804.7. Drainage. Provisions shall be made for the control and drainage of surface water around buildings.

Section 1804.7.1. Adequate provisions shall be made to insure that under floor spaces remain free of running water or standing water by the installation of drains. As a minimum, such drains shall be installed around the perimeter of the buildings at the footings. Additional drains may be required on the under floor space. The drain pipes shall be of sufficient size to adequately convey water to an approved location, but shall be a minimum size of 4 inches. Provisions shall be made to prevent the drainage system from becoming blocked.

**15.09.150. Section 904.2.2 amended--Added item.** Subsection 904.2.2 of the UBC is hereby amended by the addition of item to be known as subsection 904.2.2 6 which also alters section 3802(b) to read as follows:

All buildings four or more stories in height. For the purposes of this section, all buildings four or more stories in height shall be protected by an approved fire sprinkler system in accordance with

Uniform Building Code, Volume 3, 1997 Edition. A story shall be defined as that portion of a building included between the upper surface of any floor and the surface of the next floor or roof above.

Exception: R-1 occupancies to be provided with fire sprinkler protection in accordance with Uniform Building Code, Volume 1, 1997 Edition, Chapter 9, Section 904, 904.2.9.

**15.09.160 Section 904.2.7 amended.**

Subsection 904.2.7 of the Uniform Building Code is hereby amended to read as follows:

Subsection 904.2.7. Approval of Sprinkler System Plans. If required by the Fire Marshal, sprinkler system plans shall be reviewed and approved by an independent review agency approved by the Building Official prior to being submitted for approval.

**15.09.170. Section 904.2. amended--Area separation walls.** Subsection 904.2.8 of the Uniform Building Code is hereby amended to read as follows:

Subsection 904.2.8 Area Separation Walls. Areas separation walls as specified in Section 504.6 of the Uniform Building Code shall not be used to reduce calculation of floor areas in this chapter. Fire sprinkler piping shall not penetrate a four hour area separation wall. Fire sprinkler systems cannot be reduced or eliminated by the use of area division walls.

**15.09.180. Section 904.5.2. amended--Standpipes required.** Section 904.5.2 of the UBC is hereby amended to read as follows:

Subsection 904.5.2 Where required, standpipe systems shall be provided as set forth on Table No. 9-A. In lieu of Class II standpipes, the Fire Chief may, in writing, require the use of Class I standpipes. The size and number of outlets, location of inlets and outlets and location of piping and fittings shall be approved by the Fire Chief or his/her designee.

**15.09.190. Section 1804.7 amended--Drainage.** Section 1804.7 of the Uniform Building Code is hereby amended to read as follows:

Subsection 1804.7. Drainage. Provisions shall be made for the control and drainage of surface and subsurface water around buildings.

Subsection 1804.7.1. Adequate provisions shall be made to insure that under floor spaces remain free of running or standing water by the installation of drains. As a minimum, such drains shall be installed around the perimeter of the buildings at the footings. Additional drains may be required in the under floor space. The drain pipes shall be of sufficient size to adequately convey water to an approved location, but shall be a minimum size of 4 inches. Provisions shall be made to prevent the drainage system from becoming blocked.

**15.09.200. Section 3309.3 Grading Designation.** Section 3309.3 of the Uniform Building Code is hereby amended to read as follows:

Grading in excess of 1000 (5000) cubic yards shall be performed in accordance with the approved grading plan prepared by a Civil Engineer, and shall be designated as "Engineered Grading." Grading involving less than 1000 cubic yards shall be designed "Regular Grading." Unless the permittee chooses to have the grading performed as engineered grading, or the Building Official determines that special conditions or unusual hazards exist, in which case the grading shall conform to requirements for engineered grading.

**15.09.210, Section 3312.2 Slope.** Section 3312.2 of the Uniform Building Code is hereby amended to read as follows:

The slope of cut or filled surfaces shall be no steeper than 1 unit vertical in 2 units horizontal (50% slope). This requirement cannot be altered by the building official.

**15.09.220. Section 3315.6. Drainage interceptors and terracing.** Section 3315.6 of the Uniform Building Code is hereby amended to read as follows:

The requirements contained in Section 3315 are intended to be unalterable by geotechnical evaluation or observation. Those requirements cannot be changed by the Building Official.

**15.09.230 Add Section 509.1.1** Section 509.1.1 of the Uniform Building Code is hereby amended by the addition of the following language to read as follows:

Where there is pedestrian access to the top of on-site retaining wall(s) or other similar structures; where the difference in grade is 30" or more, a guardrail will be required. The guardrail will meet the requirements of Section 509 of this code.

Add Section 509.12 Where vehicles park above a retaining wall; where the difference in grade is 30" or more; where the wheel stop is either part of the retaining wall or set back from the top of the wall, the guardrail will meet pedestrian access requirements and vehicle impact requirements outlined in Section 509 and 311.2.3.5.

Section 6. Chapter 15.12 of the Woodinville Municipal Code is hereby amended

to read as follows:

**Chapter 15.12  
MECHANICAL CODE**

\* \* \*

**15.12.020. Mechanical Code Adopted.** The Uniform Mechanical Code issued and published by the International Association of Building Officials 1997 Edition adopted in its entirety, including Mechanical and Building Standards and Appendix A, B, C and D, together with Washington State Building Code Council Amendments and The City of Woodinville amendments hereafter listed.

**Woodinville Amendments to the 1997 Uniform Mechanical Code.**

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**15.12.040. Section 115.4 Expiration of Plan Review.**

Section 115.4 of the Uniform Mechanical Code is hereby amended to read as follows:

Section 115.4. Expiration of Plan Review. Applications for which no permit is issued within 180 calendar days following the

date of application filing, or the applicant fails to respond to plan review request for 60 calendar days, shall expire by limitation, and plans and other data submitted for review may thereafter be returned to the applicant or destroyed by the Building Official. The Building Official may extend the time for action by the applicant for a period not exceeding 180 calendar days on request by the applicant showing that circumstances beyond the control of the applicant have prevented action from being taken. No application shall be extended more than once. In order to renew action on an application after expiration, the applicant shall reapply and pay a new plan review fee. Expiration amended.

UMC Subsection 115.4.1. The Building Official shall extend the life of an application if any of the following conditions exists:

- (1) Compliance with a declaration of significance under the State Environmental Policy Act provisions is in progress; or
- (2) Any other City review is in progress, provided City staff determine that the review is proceeding to a timely final City decision; or
- (3) Litigation against the City is in progress, the outcome of which may affect the validity of any permit issued pursuant to such application.

115.4.2.1. Permit deemed ready to issue. Every permit deemed ready to issue by the Building Official under the provisions of this code shall be obtained by the applicant within 60 days of the notification of the availability of such permit by the Building Official. After 60 days the permit will be cancelled and become void. Upon cancellation of any such permit, the permit becomes null and void, and the Building Official shall so notify the applicant by certified mail.

Section 7. Title 15 of the Woodinville Municipal Code is hereby amended by adding a new Chapter 15.13, entitled "Dust Collection", to read as follows:

**Chapter 15.13  
DUST COLLECTION**

Sections:  
15.13.010     Dust Collection

- 15.13.020 New Section 505.0  
Combustible Dust Collection
- 15.13.030 UMC Clarification
- 15.13.040 New UBC Section 306.8
- 15.13.050 Dust Control and Waste Removal
- 15.13.060 Essential Features of Dust Collection

**15.13.010. Dust collection.** This section is a consolidation of most code sections that are scattered throughout the construction and fire codes.

**15.13.020. New 505.0. Combustible Dust Collection.** Equipment or machinery that generates or uses combustible dust or shavings shall be equipped with collection and removal system(s) meeting the requirements of at least one of the following National Fire Protection Association Standards:

NFPA 43A, Code for the Storage of Liquid and Solid Oxidizing Materials.

NFPA 61A, Standard for the Prevention of Fire and Dust Explosions in Facilities Manufacturing and Handling Starch.

NFPA 61B, Standard for the Prevention of Fires and Dust Explosions in Grain Elevators and Facilities Handling Bulk Raw Agricultural Commodities.

NFPA 61C, Standard for the Prevention of Fire and Dust Explosions in Feed Mills.

NFPA 61D, Standard for the Prevention of Fire and Dust Explosions in the Milling of Agricultural Commodities for Human Consumption.

NFPA 65, Standard for the Processing and Finishing of Aluminum.

NFPA 85F, Standard for the Installation and Operation of Pulverized Fuel Systems.

NFPA 120, Standard of Coal Preparation Plants.

NFPA 480, Standard for the Storage, Handling, and Processing of Magnesium.

NFPA 482, Standard for the Production, Processing, Handling, and Storage of Zirconium.

NFPA 495, Standard for the Manufacture, Transportation, Storage, and Use of Explosive Materials.

NFPA 650, Standard for Pneumatic Conveying Systems for Handling of Combustible Materials

NFPA 651, Standard for the Manufacture of Aluminum and Magnesium Powder.

NFPA 664, Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities.”

**15.13.030. Add to UMC Section 505.3 the following clarification:**

“To remove contaminants in a dust collection system, a secondary filter having an ASHRAE 52 efficiency of at least 90% shall be installed in the duct which recirculates air from the dust collector. A device which measures pressure drop across this filter, and an alarm to indicate when the filter needs cleaning or replacement, shall be included. A wire mesh screen shall be installed on the downstream side of the filter to hold the filter in place in the event of an explosion in the dust collector.”

Subsection of UBC 306.8 reads:

“Equipment, machinery or appliances that generate finely divided combustible waste or that use finely divided combustible material shall be equipped with an approved method of collection and removal.”

**15.13.040. New subsection UBC 306.8.**

“Equipment or machinery that generates or uses combustible dust or shavings shall be equipped with collection and removal system(s) meeting the requirements in the Woodinville Mechanical Code for dust collection.”

UFC 3004.2. Dust Control. Equipment and machinery located inside buildings which generates or emits combustible dust shall be provided with an approved dust-collection and exhaust system

installed in conformance with the Mechanical Code. Equipment or systems that are used to collect, process or convey combustible dusts shall be provided with an approved explosion-control system.

UFC 3004.3. Waste Removal. Sawmills, planing mills, and other woodworking plants shall be equipped with a waste-removal system which will collect and remove sawdust and shavings. Such systems shall be installed in accordance with Article 76 and the Mechanical Code.”

**15.13.050. UFC 3004.2. “Dust Control and Waste Removal.** Equipment or machinery that generates or uses combustible dust or shavings shall be equipped with collection and removal system(s) meeting the requirements of the Woodinville Mechanical Code.”

UFC Section 7604, “Suitable dust-collecting equipment shall be installed on all dust-producing machinery and interlocked with the machinery power supply so that the machinery cannot be operated without the dust-collection equipment also operating.”

UFC SECTION 7604, “Equipment or machinery that generates or uses combustible dust or shavings shall be equipped with collection and removal system(s) meeting the requirements of the Woodinville Mechanical Code.”

**15.13.060. Essential Features of Dust Collection For Woodworkers.**

(1) All cuttings, shaping, planing, sanding, or other machines that produce wood dust or shavings shall be provided with a dust pickup, conveying, and collection system.

(2) Dust collection systems shall comply with NFPA 91 and NFPA 664.

(3) Dust collectors and ductwork shall be noncombustible.

(4) Fans shall be located after the dust collector filter.

(5) Dust collectors shall be anchored to structure.

(6) Metal grinding, or any other operations that generate sparks, shall not be connected to combustible dust collection systems.

(7) Explosion venting or explosion suppression shall be provided in all collection systems as there is the potential in all woodworking dust collection for appreciable quantities of particles sized less than 420 microns (U.S. sieve No. 40), which can be explosive.

(8) If air is recycled back into the building, the recirculating duct shall have a spark detection activated abort damper with manual reset, or a spark detection activated fast-acting valve. A final filter with pressure drop alarm shall also be provided.

(9) The dust collection system and building make-up air system must be designed by an experienced ventilation designer or registered mechanical engineer.

(10) When using a design that recirculates air back into the building, a bypass arrangement is required so that when energy savings cannot be realized by recirculating, air will be exhausted to the outdoors.

(11) Noise levels shall be reviewed by an acoustical engineer, and silencers applied if needed.

(12) Structural support and bracing must be designed by a registered structural engineer.

(13) The requirements and recommendations of *Industrial Ventilation*, latest edition, published by the American Conference of Governmental Industrial Hygienists Inc., 6500 Glenway Avenue, Bldg. D-7, Cincinnati, Ohio 45111, must be followed.

(14) A listed spark detection water extinguishing system should be installed in the dust laden air duct(s) ahead of the dust collector.

(15) Automatic sprinkler protection should be installed in the filter section, in the clean air plenum, and in hoppers shielded from protection in the above areas. Rupture disks should be installed near the bottom of the hopper to relieve water in the event of discharge.

Section 8. Section 15.15.020 of the Woodinville Municipal Code is hereby amended to read as follows:

**15.15.020. Uniform Plumbing Code Adopted.** The Uniform Plumbing Code 1997 Edition issued and published by the International Association of Plumbing and Mechanical Officials adopted in its entirety, except Chapters 11, 12 and those required concerning gas appliance venting in Chapter 13 are not adopted.

Section 9. Chapter 15.18 of the Woodinville Municipal Code is hereby amended

to read as follows:

**Chapter 18**  
**UNIFORM CODE FOR ABATEMENT OF DANGEROUS BUILDINGS**

\* \* \*

**15.18.020. Adoption of codes.** The Uniform Code for the Abatement of Dangerous Buildings, 1997 Edition, issued and published by the International Association of Building Officials except for § 910 and § 911, is adopted by this reference as if set forth in full, subject to amendments, additions, or deletions set forth.

**15.18.030. Notice and Order.**

(1) Dangerous building code amendments. Subsection 401.2.3.6 added. Section 401 of the Uniform Code for the Abatement of Dangerous Building is amended and supplemented by the addition thereto of a new subsection to be known as Subsection 401.2.3.6 to read as follows:

The Building Official, together with the Director or delegate of the following City department: Community Development, Fire Services, Police Department and Public Works shall, upon written request filed with the Building Official by any interested person (including the Building official), conduct an informal conference relative to the matters set forth in the notice and order. All interested person shall be given notice of such conference and may attend and participate. Following such informal conference, the Building Official shall, within ten days thereof, file an amended or supplemental order and the time within which to appeal may be requested shall be extended to thirty days from the date of such informal conference or fifteen days from service of the amended or supplemented order, whichever shall last occur.

(2) Section 401.2.3.7. The notice and order and any amended or supplemental notice and/or order shall be served upon the record owner and posted on the property. The record owner for the purposes of the procedures of this chapter shall be the person listed in the records of the King County Department of Finance for the purposes of mailing Real Property Tax Statements. The Building Official shall also serve one copy on each of the following, if known to the Building Official or disclosed from the records of the King County Department of Finance, including the records maintained in relation to the 1% estate excise sales tax: the holder of any mortgage, deed of trust, leasehold, contract purchaser, or contract seller.

\* \* \*

**15.18.050. Collection of assessments.** Section 905 of the Uniform Code for the Abatement of Dangerous Buildings is hereby amended:

A copy of the ordinance confirming the special assessment shall be filed with the City Clerk. A certified copy of said ordinance shall be recorded with the King County Department of Elections and Records. The City Clerk upon receipt of said ordinance shall proceed to collect the special assessment in the same manner as local improvement district assessments, including installments thereof, are collected, provided however, that the thirty days prepayments notice need not be published but shall be mailed to the owner of record.

Section 10. Chapter 15.21 of the Woodinville Municipal Code, entitled "Electrical Code" is hereby repealed.

Section 11. Section 15.27.020 of the Woodinville Municipal Code is hereby amended to read as follows:

**10.2. Adoption of codes.** The Uniform Sign code, 1997 Edition, issued and published by the International Conference of Building Officials, is adopted and shall be applicable within the City, as amended, added to and excepted in this Chapter.

to read as follows:

**Chapter 1533  
FIRE CODE**

\* \* \*

**15.33.020. Adoption of codes.** This Uniform Fire Code (UFC), 1997 Edition, including; Appendix Chapters I-A, I-C, II-A, II-B, II-C, II-D, II-E, II-F, II-G, II-H, II-I, III-A, III-B, III-C, III-D, IV-A, IV-B, V-A, VI-A, and VI-B, VI-C, VI-E, Article 9, Section 901, 901.2.2.1, 901.4.2, 902.1 and 902.2 through 902.2.4.1, and the Uniform Fire Code Standards, 1997 Edition, published by the International Fire Code Institute and Copyright © by the International Conference of Building Officials and the Western Fire Chiefs' Association and as adopted by the State of Washington pursuant to Chapters 51 - 34 and 51 - 35 Washington Administrative Code (WAC) are adopted by this reference as if set forth in full, subject to the amendments, additions, or deletions set forth, provided, however, that the purpose of this code is not to create or otherwise establish or designate any particular class or group of persons who will or should be protected or benefited by the terms of this code. One copy of these uniform codes and regulations has been and is on file with the City Clerk for inspection.

**15.33.030. Definitions.** Unless otherwise provided in this section, the definitions in the Uniform Building Code and the Uniform Fire Code shall apply to this ordinance.

\* \* \*

(4) "Ambulatory" shall mean, able to walk about; not bedridden.

(5) "A patient is capable of unassisted self preservation" shall be considered to be ambulatory.

**15.33.040. Amendment adoption.** The following amendments, additions, deletions, and exceptions to the Uniform Fire Code, Uniform Fire Code Appendix, and Uniform Fire Code Standards,

as adopted by this Chapter, are adopted and shall be applicable within the City.

**15.33.050. Section 1004.2 amended. Standpipe required.** Section 1004.2 of the Uniform Fire Code is hereby amended to read as follows:

1004.2. Required Installations. Standpipe systems shall be provided as set forth in Table No. 1004-A.

Exception: In Lieu of Class II standpipes, the Fire Chief may, in writing, require the use of Class I standpipes. The size location, number of outlets, and the location of piping and fittings shall be approved by the Fire Chief or his/her designee.

**15.33.060. Section 903.4.2. amended. Required installations,** Section 903.4.2 of the Uniform Fire Code is hereby amended to read as follows:

Number of fire hydrants and their locations shall be determined from Appendix III-B. The type of fire hydrants shall be approved by the Chief and the water purveyor. Existing substandard hydrant installations which serve new construction shall be upgraded prior to new combustible construction.

Fire hydrants and their supplying mains shall be installed to the standard of the water purveyor and shall be dedicated along with repair easements, where needed, to the purveyor.

For Fire Safety during construction, alterations, or demolition of a building, see Section 8704.3.

This section shall not apply to conditions existing prior to the effective date of this Chapter.

**15.33.070. Appendix III-B, Item 3 Number of fire hydrants.** Item 3 of the Uniform Fire Code Appendix III-B is hereby amended to read as follows:

Section 3. Number of Fire Hydrants.

The minimum number of fire hydrants available to a building shall be not less than that listed in Table No. A-III-B-1. The number of fire hydrants available to a complex or any subdivision shall not

be less than that determined by spacing requirements listed on Table No. A-III-B-1 when applied to fire apparatus access roads and perimeter public streets from which fire operations could be conducted.

Section 4. Existing fire hydrants on public streets may be considered available. Existing fire hydrants on adjacent properties shall not be considered available unless fire apparatus access roadways extend between properties and easements are established to prevent their obstruction.

**15.33.080. Section 1001.5. Maintenance and Testing.** Section 1001.5 of the Uniform Fire Code is hereby amended to read as follows:

(a) Maintenance and Testing. Fire alarm systems shall be maintained and tested in accordance with this article and nationally recognized standards. The Chief shall establish minimum requirements for periodic testing of fire alarm systems. In the case of dwelling units within an apartment building, it shall be the responsibility of the owner of the apartment, upon every change of tenancy of a dwelling unit, to inspect the fire warning system within such dwelling unit to determine if the same is in operating condition, the owner shall repair or replace the same and shall not allow occupancy of such dwelling unit until the fire warning system therein is operating properly. During the term of any tenancy of a dwelling unit in an apartment building, it shall be the responsibility of the tenant, and not the owner, to maintain the fire warning system therein in operating condition.

**15.33.090. New Section, 1007.3. General Design and Installation Requirements.** Section 1007.3.1 of the Uniform Fire Code is hereby amended to read as follows:

1007.3.1 Design Standards, shall be modified as follows:

Fire alarm systems, automatic fire detectors, emergency voice communication systems and notification devices shall be designed, installed and maintained in accordance with UFC Standard 10-2 and other nationally recognized standards.

All fire alarm plans submitted for approval shall bear the designer's valid Washington State Low Voltage Specialty Electrical Contractor's License number or shall be stamped by a registered fire protection or electrical engineer.

**15.33.100. Section 1001.3 amended.** Section 1001.3 of the Uniform Fire Code is hereby amended to read as follows:

1001.3.1. Plans for Fire Alarm Systems. All systems shall have complete plans and specifications submitted for review and approval prior to system installation.

Building Department Operating Policy #14 "Procedures for Fire Alarm Systems Submittals" and Building Department Operating Policy #40 "Procedures for Fire Sprinkler Systems Submittals" shall be complied with when applying for a permit

**15.33.110. Section 1001.4 amended.** Installation Acceptance, Section 1001.4 of the Uniform Fire Code is hereby amended to read as follows:

1001.4. Installation Acceptance and Testing. Fire alarm systems; fire hydrant testing; fire-extinguishing systems including automatic sprinklers and wet and dry standpipes; and other fire-protection systems and appurtenances thereto shall meet the approval of the fire department as to installation and location and shall be subject to such periodic tests as required by the chief.

Condition of acceptance of halon and clean agent systems shall be satisfactory passage of a test conducted in accordance with nationally recognized standards prior to final acceptance of the system.

Fire alarm and detection systems shall be tested in accordance with UNIFORM FIRE CODE, VOLUME 2, 1997 EDITION Volume 2 of the Uniform Fire Code 1997 Edition and other nationally recognized standards.

\* \* \*

**15.33.130. Section 1001.5.3.1 amended.** Section 1001.5.3.1 of the Uniform Fire Code is hereby amended to read as follows:

1001.5.3.1. Problematic systems and systems out of service.

In the event of temporary failure of a fire protection system or an excessive number of accidental alarm activation's, the chief is authorized to require the building owner or occupant to provide standby personnel as set forth in UFC Article 25, Section 2501.18

until the system is restored. The chief is authorized to charge for recovery of costs to the Fire District based on the current Washington State Association of Fire Chiefs' Fee Schedule. Woodinville Fire and Life Safety District Manual of Operation, Article 800, Section 15 "Documentation of False Fire Alarms" shall apply. Such individuals shall be provided with at least one approved means for notification of the fire department and their only duty shall be to perform constant patrols of the protected premises and keep watch for fires.

**15.33.140. New Section 1007.1.4.** Section 1007.1.4 of the Uniform Fire Code is hereby amended to read as follows:

1007.1.4. Standards. All fire alarm systems shall be installed in accordance with the ordinances of the City, and the following Codes and Standards:

- I. Uniform Fire Code, Volume 2, 1997 Edition.
- II. Uniform Fire Code *volume 1*, 1997 Edition.
- III. Uniform Building Code *volume 1*.
- IV. Washington State Building Code, Chapter 51-20 WAC.
- V. 1997 Uniform Fire Code Washington State Amendments.

\* \* \*

**15.33.200. Section 1007.2.9.1.1 amended.** Section 1007.2.9.1.1 of the Uniform Fire Code is hereby amended to read as follows:

1007.2.9.1.1. General. Group R Occupancies shall be provided with fire alarm systems in accordance with Section 1007.2.9 Group R, Division 1 Occupancies shall be provided with a manual and automatic fire alarm system in apartment houses three or more stories in height or containing 16 or more dwelling units, in hotels three or more stories in height or containing 20 or more guest rooms, and in congregate residences three or more stories in height or having an occupant load of 20 or more. See also 1007.2.12

Exception: A separate fire alarm system need not be provided in buildings which are protected throughout by an approved

supervised fire sprinkler system conforming with the Building Code and having a local alarm to notify all occupants.

1007.2.9.1.2. Delete.

**15.33.210. Section 1007.2.9.1.6 amended.** Section 1007.2.9.1.6 of the Uniform Fire Code, is hereby amended to read as follows:

1007.2.9.1.6. Single-station smoke detectors. Approved single-station smoke detectors shall be installed in dwelling units, congregate residences and hotel or lodging house guest rooms in accordance with the Building Code and Uniform Fire Code, Volume 2, 1997 Edition, Chapter 2, Section 2-2.2.1 which states that in new construction, where more than one smoke detector is required by NFPA 2-2.1, they shall be so arranged that operation of any smoke detector shall cause the alarm in all smoke detectors within the dwelling to sound.

Exception: Configurations that provide equivalent distribution of the alarm signal.

Single-station smoke detectors shall not be connected to a fire alarm system. See also Section 1007.2.9.1.5.

Exception: Connection of such detectors for annunciation only.

\* \* \*

**15.33.230. Section 1007.2.12.2.3 amended.** Section 1007.2.12.2.3 of the Uniform Fire Code is hereby amended to read as follows:

1007.2.12.2.3. Emergency voice alarm-signaling system. The operation of any automatic fire detector, sprinkler or water-flow device shall automatically sound an alert tone followed by voice instructions giving appropriate information and directions on a general or selective basis to the following terminal areas:

1. Elevators,
2. Elevator lobbies,
3. Corridors,

4. Exit stairways,
5. Rooms and tenant spaces exceeding 1,000 square feet in area,
6. Dwelling units in apartment houses, and
7. Hotel guest rooms or suites.

A manual override for emergency voice communication shall be provided for all paging zones.

The emergency voice alarm-signaling system shall be designed and installed in accordance with the Building Code and Uniform Fire Code, Volume 2, 1997 Edition.

**15.33.240. Section 1007.3.3.3.** Section 1007.3.3.3 of the Uniform Fire Code is hereby amended to read as follows.

1007.3.3.3. Audible alarms. Audible alarms shall produce a sound in accordance with Uniform Fire Code, Volume 2, 1997 Edition. Audible alarms shall exceed the prevailing equivalent sound level in the room or space by at least 15 decibels, or shall exceed any maximum sound level with a duration of 30 seconds by 5 decibels, which ever is louder. Sound levels for alarm signals shall not exceed 120 decibels.

**15.33.250. Section 1007.3.1 amended.** Section 1007.3.1 of the Uniform Fire Code is hereby amended to read as follows:

1007.3.1. Design standards. Fire alarm systems, automatic fire detectors, emergency voice alarm communication systems and notification devices shall be designed, installed, and maintained in accordance with Uniform Fire Code, Volume 2, 1997 Edition and other nationally recognized standards.

**15.33.260. Section 1007.3.3.5 amended.** Section 1007.3.3.5 of the Uniform Fire Code is hereby amended to read as follows:

1007.3.3.5. Supervision. Means of interconnecting equipment, devices and appliances shall be supervised for the integrity of the interconnecting conductors or equivalent, as set forth in Uniform Fire Code, Volume 2, 1997 Edition.

\* \* \*

**15.33.300. Section 1007.3.4.2 amended.** Section 1007.3.4.2 of the Uniform Fire Code is hereby amended to read as follows.

1007.3.4.2. Certification. The permittee shall provide written certification to the chief that the system has been installed in accordance with the approved plans and specifications. A Certificate of Completion (see Uniform Fire Code, Volume 2, 1997 Edition, 1-7.2) shall be completed for each installation.

\* \* \*

**15.33.320. Section 1007.3.4.4 added.** Section 1007.3.4.4 of the Uniform Fire Code is hereby amended to read as follows:

1007.3.4.4. Commercial (non-required fire alarm system). This section pertains to structures of a commercial nature wherein a fire alarm system is not required. All commercial structures shall be provided with a fire alarm system control panel. The system shall be installed and function as per Uniform Fire Code, Volume 2, 1997 Edition.

\* \* \*

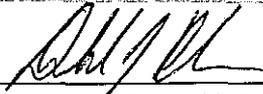
Section 13. Severability. If any section, sentence, clause or phrase of this ordinance should be held to be invalid or unconstitutional by a court of competent jurisdiction, such invalidity or unconstitutionality shall not affect the validity or constitutionality of any other section, sentence, clause or phrase of this ordinance.

Section 14. Effective Date. This ordinance or a summary thereof consisting of the title shall be published in the official newspaper of the City, and shall take effect and be in full force five (5) days after publication.

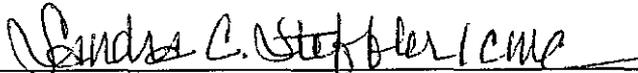
PASSED by the City Council of the City of Woodinville this 27<sup>th</sup> day of

July, 1998.

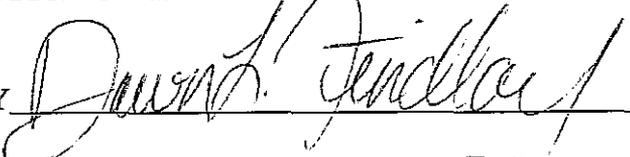
APPROVED:

  
MAYOR, DONALD J. BROCHA

ATTEST/AUTHENTICATED:

  
CITY CLERK, SANDRA STEFFLER

APPROVED AS TO FORM:  
OFFICE OF THE CITY ATTORNEY:

BY 

FILED WITH THE CITY CLERK: 7-27-98  
PASSED BY THE CITY COUNCIL: 7-27-98  
PUBLISHED: 8-3-98  
EFFECTIVE DATE: 8-8-98  
ORDINANCE NO. 215