

# Kittitas County Community Development Services

411 North Ruby Street Suite #2 | Ellensburg, WA 98926 Phone: (509) 962-7506 | Fax: (509) 962-7682

### Fire Hazard Severity Score: 63

Owner: M Determination date: 1	1-12-27000-0002 OUNTAINEERS, THE 2/21/2022 2/21/2023		Permit #: Site address: Scored by:	BP-22-00977 FS RD 420 EASTON Joe Dietzel	
A. Subdivision Design Points  1. Ingress/Egress Two or more primary roads One road One-way road in, one-way road out		1 3_ <u>~</u> 5	C. Topography 8% or less More than 8%, but less than 20% 20% or more, but less than 30% 30% or more		1 4 7 10 <u>~</u>
2. Width of Primary F 20 feet (6096 mm) o Less than 20 feet (6) 3. Accessibility	or more 096 mm)	1_3 <u>~</u>	D. Roofing Ma Class A Fire Class B Fire Class C Fire Nonrated	Rated Rated	1 <u>~</u> 5 10 20
turning radius of 45 greater Dead-end roads 20 less in length Dead-end roads grey 960 mm) in length  5. Street Signs Present	Terminus sacs with an outside feet (13 716 mm) or 0 feet (60 960 mm) or eater than 200 feet (60	1	500 GPM (1 1,000 feet ( Hydrant fartl draft site Water sourc Water sourc min. or less Water sourc F. Existing Bu Noncombus Noncombus	her than 1,000 feet (304.8 m) or e 20 min. or less, round trip e farther than 20 min., and 45	
Not present  B. Vegetation (IWUI  1. Fuel Types Light Medium Heavy  2. Defensible Space 70% or more of sit 30% or more, but I Less than 30% of sit	e e ess than 70% of site	1	G. Utilities (ga	as and/or electric) und utilities round, one above ground ound azard	1 <u>~</u> 5 10 0 - 39 40 - 59 60 - 74 <del>~</del> 75+

High Hazard

50 Feet Defensible Space Required





### KITTITAS COUNTY FIRE MARSHAL'S OFFICE



411 N. Ruby St., Suite 2, Ellensburg, WA 98926 Fire Marshal (509) 962-7000 Deputy Fire Marshal (509) 962-7657

#### **CHAPTER 2 – DEFINITIONS**

**DEFENSIBLE SPACE.** An area either natural or manmade, where material capable of allowing a fire to spread unchecked has been treated, cleared, or modified to slow the rate and intensity of an advancing wildfire and to create an area for fire suppression operations to occur.

#### **CHAPTER 6 - FIRE PROTECTION REQUIREMENTS**

#### User note:

**About this chapter:** Chapter 6 establishes minimum fire protection requirements to mitigate the hazards to life and property from fire in the wildland-urban interface. The chapter includes both design-oriented and prescriptive mitigation strategies to reduce the hazards of fire originating within a structure spreading to wildland and fire originating in wildland spreading to structures.

Especially targeted for a systems-approach to fire protection are those new buildings that are deemed to be particularly hazardous under Chapter 5; these buildings are required to be sprinklered. Other hazard mitigation strategies include establishing around structures defensible space zones wherein combustible vegetation and trees are regulated and kept away from buildings and trees are located 10 feet crown-to crown away from each other. Additional hazards that are dealt with in Chapter 6 include spark arresters on chimneys and regulated storage of combustible materials, firewood and LP-gas.

#### SECTION 601-GENERAL

#### 601.1 Scope.

The provisions of this chapter establish general requirements for new and existing buildings, structures and premises located within wildland-urban interface areas.

#### 601.2 Objective.

The objective of this chapter is to establish minimum requirements to mitigate the risk to life and property from wildland fire exposures, exposures from adjacent structures and to prevent structure fires spreading to wildland fuels.

#### SECTION 602 - AUTOMATIC SPRINKLER SYSTEMS

#### 602.1 General.

An approved automatic sprinkler system shall be installed in all occupancies in new buildings required to meet the requirements for Class 1 ignition-resistant construction in Chapter 5. The installation of the automatic sprinkler systems shall be in accordance with nationally recognized standards.

#### **SECTION 603 - DEFENSIBLE SPACE**

603.1 Objective.

Provisions of this section are intended to modify the fuel load in areas adjacent to structures to create a *defensible space*.

#### 603.2 Fuel modification.

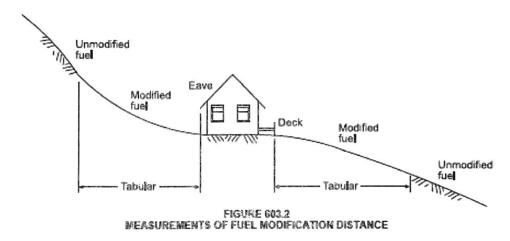
Buildings or structures, constructed in compliance with the conforming *defensible space* category of Table 503.1, shall comply with the *fuel modification* distances contained in Table 603.2. For all other purposes the *fuel modification* distance shall be not less than 30 feet (9144 mm) or to the lot line, whichever is less. Distances specified in Table 603.2 shall be measured on a horizontal plane from the perimeter or projection of the building or structure as shown in Figure 603.2. Distances specified in Table 603.2 are allowed to be increased by the code official because of a site-specific analysis based on local conditions and the fire protection plan.

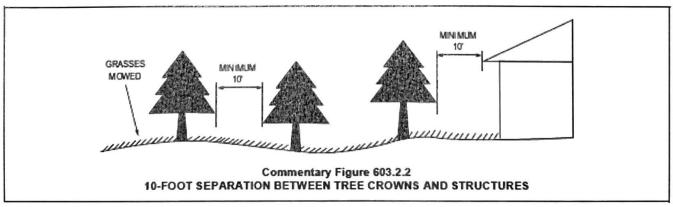
**TABLE 603.2 - REQUIRED DEFENSIBLE SPACE** 

WILDLAND-URBAN INTERFACE AREA	FUEL MODIFICATION DISTANCE (feet)a
Moderate hazard	30
High hazard	50
Extreme hazard	100

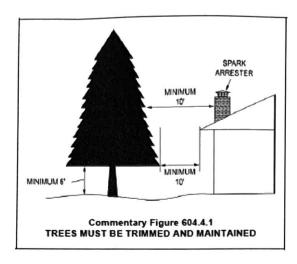
For SI: 1 foot = 304.8 mm.

#### FIGURE 603.2 - MEASUREMENTS OF FUEL MODIFICATION DISTANCE





a. Distances are allowed to be increased due to site-specific analysis based on local conditions and the fire protection plan.



#### 603.2.1 Responsible party.

Persons owning, leasing, controlling, operating or maintaining buildings or structures requiring defensible spaces are responsible for modifying or removing non-fire-resistive vegetation on the property owned, leased or controlled by said person.

#### 603.2.2 Trees.

Trees are allowed within the *defensible space*, provided that the horizontal distance between crowns of adjacent trees and crowns of trees and structures, overhead electrical facilities or unmodified fuel is not less than 10 feet (3048 mm). See Figure 603.2.2.

#### 603.2.3 Groundcover.

Deadwood and litter shall be regularly removed from trees. Where ornamental vegetative fuels or cultivated ground cover, such as green grass, ivy, succulents or similar plants are used as ground cover, they are allowed to be within the designated *defensible space*, provided that they do not form a means of transmitting fire from the native growth to any structure.

### SECTION 604 - MAINTENANCE OF DEFENSIBLE SPACE 604.1 General.

Defensible spaces required by Section 603 shall be maintained in accordance with Section 604.

#### 604.2 Modified area.

Non-fire-resistive vegetation or growth shall be kept clear of buildings or structures, in accordance with Section 603, in such a manner as to provide a clear area for fire suppression operations.

#### 604.3 Responsibility.

Persons owning, leasing, controlling, operating or maintaining buildings or structures are responsible for maintenance of *defensible spaces*. Maintenance of the *defensible space* shall include modifying or removing non-fire-resistive vegetation and keeping leaves, needles and other dead vegetative material regularly removed from roofs of buildings and structures.

#### 604.4 Trees.

Tree crowns extending to within 10 feet (3048 mm) of any structure shall be pruned to maintain a minimum horizontal clearance of 10 feet (3048 mm). Tree crowns within the *defensible space* 

shall be pruned to remove limbs located less than 6 feet (1829 mm) above the ground surface adjacent to the trees.

#### 604.4.1 Chimney clearance.

Portions of tree crowns that extend to within 10 feet (3048 mm) of the outlet of a chimney shall be pruned to maintain a minimum horizontal clearance of 10 feet (3048 mm).

#### 604.4.2 Deadwood removed.

Deadwood and litter shall be regularly removed from trees.

#### **COMMUNITY DEVELOPMENT SERVICES**

Building Partnerships — Building Communities

411 N Ruby Street, Suite 2 Ellensburg, WA 98926 cds@co.kittitas.wa.us 509-962-7506

#### **CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA**

Recipient:

Date: 10/13/2022

Tax ID: 21-12-27000-0002

Parcel Number: 606535

Site Address: FS RD 420 EASTON, EASTON, WA 98115

2018 IRC Table R301.2(1) (See KCC SECTION 14.04.020 for footnotes)										
GROUND SNOW LOAD	WIND SPEED <sup>[d]</sup> (mph)	SEISMIC DESIGN CATEGORY <sup>(f)</sup>	WEATHERING <sup>[a]</sup>	FROST LINE DEPTH <sup>ISI</sup>	TERMITE <sup>[c]</sup>	WINTER DESIGN TEMP⊫	ICE BARRIER UNDERLAYMENT REQUIRED™	FLOOD HAZARDS <sup>[g]</sup>	AIR FREEZING INDEX <sup>(i)</sup>	MEAN ANNUAL TEMP <sup>©</sup>
Min, 30 psf Roof	110	C, D0 & D1 are present	Severe	24"	Slight to Moderate	2*F	Yes	A through C	1,000-2,000	50°F

#### **Snow Load Information**

**ELEVATION** 3926 Roof Snow Load Formula: (PF) = (0.7)(CE)(CT)(I)(PG)ISO 0.078 0.7 1.2 1.1 284 1 307 psf psf For Heated Structures (CE) Heated (I) PG **COEFF EXPOSURE IMPORTANCE** GROUND 1.2 310 psf **FACTOR** FACTOR SNOW LCAD For Unheated Structures Unheated (CT) (PF) THERMAL **ROOF SNOW LOAD** 

#### ALSO, See ASCE 7.10 for other snow load issues

**FACTOR** 

**Section 7.4 Pitch Reduction**. Do not reduce where snow cannot slide off roof. (Valley, Pitch Breaks, etc)

Section 7.6 Unbalanced Roof Snow Loads.

Section 7.7 Drifts on Lower Roofs/ Decks.

Section 7.9 Sliding Snow ON Lower Roofs/Decks.

See 2018 Washington State Energy Code Climate Zone 5 (see http://www.energy.wsu.edu)

# Other Design Criteria Building Code: 2018 IBC & 2018 IRC Wind Speed: 110 MPH Exposure: B C

**Prescriptive IRC** 

Seismic Zone: D1

Roof Class: CLASS A

Frost Depth: 24 inches



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Fire Marshal (509) 962-7000 Deputy Fire Marshal (509) 962-7657

### WILDLAND URBAN INTERFACE (WUI) PLAN REVIEW

DUE TO THE FIRE HAZARD SEVERITY SCORE FOR YOUR PARCEL AND THAT THE PARCEL DOES RESIDE INSIDE OF A FIRE RESPONSE DISTRICT YOU MUST COMPLY WITH THIS ENTIRE FORM.

## READ: IMPORTANT

ALL APPLICABLE PERMIT CARDS WILL BE LOCATED ONSITE AT TIME OF INSPECTION OR A FAIL WILL BE GIVEN AND A \$65 REINSPECTION FEE WILL BE ADDED TO THE PARCEL'S ACCOUNT.

THE PARCEL'S ADDRESS SIGN WILL BE MOUNTED IN A NONOBSTRUCTED AREA IN ACCORDANCE WITH KITTITAS COUNTY CODE OR THE INSPECTION WILL FAIL AND A \$65 REINSPECTION FEE WILL BE ADDED TO THE PARCEL'S ACCOUNT.

THE PROPERTY LINES WILL BE CLEARLY MARKED AND INDENTIFIED OR THE INSPECTION WILL FAIL AND A \$65 REINSPECTION FEE WILL BE ADDED TO THE PARCEL'S ACCOUNT.

THE APPROPRIATE BUILDING PLANS WILL BE ONSITE OR THE INSPECTION WILL FAIL AND A \$65 REINSPECTION FEE WILL BE ADDED TO THE INSPECTION.

The following codes shall govern all aspects of constant Code, 2018 International Residential Code, 2018 International Residential Code, 2018 International Fuel Gas Code, 2
Washington State Energy Code, 2021 National Fuel Gas Petroleum Gas Code NFPA 58, 2018 International Wildingsunce or Granting of a Permit Shall Not be Constant Of the Provisions of Any OF THE JURISDICTION, NOR SHALL IT BE IMPLIED ACCEPTANTS

ON SITE.

505.1 CLASS 2 IGNITION-RESISTANT CONSTRUCTION shall be in accordance with Sections 505.2 through 505.11



# KITTITAS COUNTY PERMIT CARD ACCESSORY ADDITION/REMODEL

BUILDING PERMIT #: BP-22-00977
ISSUED DATE: 01/09/2023
SITE COPY

Site Address: FS RD 420 EASTON	Phone #:	BUILDING INSP. REQUEST NO.:509-962-7694		
Owner of Record: MOUNTAINEERS, THE	COMMUNITY DEVELOPMENT SERVICES: 509-962-7506			
Mailing Address: 7700 SAND POINT WAY NE SEATTLE, WA	PUBLIC WORKS: 509-962-7523			
Parcel Number: 606535	FIRE MARSHAL: 509-962-7000			
Type of Construction: Occupancy: Zoning:	ENVIRONMENTAL HEALTH: 509-962-7515			
Business Bases ADDITION ON END OF SUICE	2 / Jan Str. Land Str. Lan			

Project Description: ADDITION ON END OF SHOP

BUILDING PERMIT			BUILDING PERMIT (cont.)				MECHANICAL PERMIT		
	Approved By	Date			Approved By	Date	MECHANICAL	Approved By	Date
Setbacks									
Ext. Shearwall/Nailing									
Framing									
				- 1					
					-				
						-	PLUI	MBING PERMIT	
			FINAL		Approved By	Date	PLUMBING	Approved By	Date
-				Building Final	1				
				WUIC Final				100	
	-								
				FINIAL ADI	DROVAL C DE	OLUDED F	OR CERTIFICATE (		

#### Kittitas County Code 14.04.070

All permits shall expire by limitation and be declared void if any one of the following apply:

- a. Work is not started within 365 days of obtaining a permit.
- b. Work is abandoned for 365 days or more after beginning work.
- c. An inspection and approval of work completed has not been performed by Kittitas County Community Development Services for 365 days.

BUILDING	Approved By	
FIRE MARSHAL	Approved By	
PUBLIC WORKS	Approved By	
CERTIFICATE OF OCCUPANCY	Approved By	
	Approved By	



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Office (509) 962-7000 Fax (509) 962-7682

### WILDLAND URBAN INTERFACE (WUI) PLAN REVIEW

### SPRINKLERS REQUIRED - MITIGATION ALLOWED

PERMIT #:

OWNER:

**PERMIT COPY** 

SITE ADDRESS: STRUCTURE TYPE:

DEC 22 2022 KITTITAS CO

DEFENSIBLE SPACE

CONSTRUCTION CLASS:

DISTANCE REQ'D:

100' Or To Property Line

PLANS EXAMINER:

CONTRACTOR:

SQ FOOTAGE:

Kittitas County CDS

The following codes shall govern all aspects of construction: 2015 International Building Code, 2015 International Residential Code, 2015 International Fire Code, 2015 International Mechanical Code, 2015 International Fuel Gas Code, 2015 Uniform Plumbing Code, 2015 Washington State Energy Code, 2015 National Fuel Gas Code NFPA 54, 2014 Liquefied Petroleum Gas Code NFPA 58, 2015 International Wildland Urban Interface Code. THE ISSUANCE OR GRANTING OF A PERMIT SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF THE PROVISIONS OF ANY APPLICABLE CODE OR ORDINANCE OF THE JURISDICTION, NOR SHALL IT BE IMPLIED ACCEPTANCE OF ANY CHANGES THAT OCCUR ON SITE.

#### 504.1 CLASS I IGNITION-RESISTANT CONSTRUCTION shall be in accordance with Sections 504.2 through 504.11

602.1 General.

APPROVED AUTOMATIC SPRINKLER SYSTEM shall be installed in all occupancies in new buildings required to comply with Class I Ignition-Resistant Construction. The installation of the automatic sprinkler system shall be in accordance with nationally recognized standards.

- 1. Submit a fire sprinkler system plan and permit application to the Fire Marshal's Office.
- 2. A framing inspection will not be performed until the sprinkler system is inspected and approved by the Fire Marshal.

**Exception:** Extending to 1.5 times the required defensible space with a conforming water system or 2.5 times the required defensible space per Table 503.1 KCC 20.10 Wildland Urban Interface Code will mitigate the sprinkler requirement.