


Building Permit #: _____

Date Received: _____



**WILDFIRE MITIGATION WORKSHEET
REQUIRED FOR ALL **NEW DWELLING UNITS****

Land Use Department Mailing Address: PO Box 28, Ridgway CO 81432
970.626.9775 Physical Address: 111 Mall Road, Ridgway CO

Contact Information:

Ouray County Land Use Office
111 Mall Road (PO Box 28)
Ridgway, CO 81432
970-626-9775

West Region Wildfire Council
510 South Cascade Avenue
Montrose, CO 81401
970-615-7300

Colorado State Forest Service
535 South Nevada Avenue
Montrose, CO 81401
970-249-9051

To schedule a site visit please visit:
<http://www.cowildfire.org/site-visit/>
*(Please do not contact WRWC until
After you have submitted your permit application)*

If this construction is proposed in the Colona Zone, please use the form that is specifically for Colona.

Property Information:

Applicant Name: _____ Phone #: _____

Email Address: _____

Authorized Agent Name: _____ Phone #: _____

Email Address: _____

Job Site Address: _____ City: _____ Zip: _____

Subdivision: _____ Lot/Tract #: _____ Filing/Phase: _____

WILDFIRE REGULATION COMPLIANCE – MANDATORY ELEMENTS:

You must respond to each of the following questions by circling “YES”, “NO”, or “N/A”:

CATEGORY A REQUIREMENTS		
A1.1 - Is your roof covering a Class A material, in accordance with UL 790 (ASTM E108)?	YES (Pass)	NO (Fail)
A1.1 - Are all roof covering materials (including underlayment) clearly labeled on all plan sets?	YES (Pass)	NO (Fail)
A2.1 - Is your proposed siding ignition resistant? (ignition resistant materials include, but are not limited to, 6” diameter log construction, fiber cement board, 3-stage stucco, masonry, brick, manufactured stone, etc).	YES (Pass) NO (if answer is “no” you must pass the following two questions)	

(Continued on next page)

<p>A2.2 - (respond only if proposed siding <u>IS</u> combustible) – Do your construction drawings include detailed plans showing 6 inches (or more) of non-combustible material (such as flashing, skirting, concrete foundation, etc.) at the base of exterior walls and decks, rooflines (e.g. dormers, complex roof features, etc.), and other structural projections?</p> <p>* Note: This is REQUIRED if you are proposing <i>combustible</i> siding!</p>	<p>YES NO (Pass) (Fail)</p>
<p>A2.2 - (Respond only if proposed siding <u>IS</u> combustible) – You will obtain a Defensible Space Plan from either the Colorado State Forest Service or the West Region Wildfire Council and will complete all work described in the plan for a minimum of 100’ surrounding the entire dwelling unit PRIOR to final inspection and issuance of the Certificate of Completion.</p> <p>* Note: This is REQUIRED if you are proposing combustible siding!</p> <p>** Note: You can’t obtain a defensible space plan from WRWC before you submit your building permit, so <i>PLEASE DON’T CALL WRWC</i> prior to submitting your building permit application. County Staff will review the permit application and then notify you when it is appropriate to contact WRWC.</p> <p>*** Note: If you will need a defensible space plan, you will be required to sign an “Affidavit of Compliance with Ouray County Wildfire Mitigation Requirements” & also submit a refundable* deposit in the amount of 1% of the construction valuation. <i>*If defensible space plan and mitigation work has been completed within one year from the issuance of Certificate of Occupancy, your deposit will be refunded.</i></p>	<p>YES NO (Pass) (Fail)</p>
<p>A2.1 & A2.2 - Are all siding materials clearly labeled on all plan sets?</p>	<p>YES NO (Pass) (Fail)</p>
<p>A3.1 - Are all vents (including but not limited to attic, soffit, and gable vents) covered with 1/8” screening?</p>	<p>YES NO (Pass) (Fail)</p>
<p>A3.1 - Are all plan sets noted that 1/8” screening is required on the vents?</p>	<p>YES NO (Pass) (Fail)</p>
<p>A4.1 - If utilizing any wood burning appliances, are you going to install an approved spark arrestor?</p>	<p>YES (Pass) NO (Fail) N/A (No wood burning)</p>
<p>A5.1 - Does your site-plan include the required 5-foot “hardened zone” that is void of all combustible fuels including grasses, vegetation, landscape mulch, combustible building materials, etc.?</p>	<p>YES NO (Pass) (Fail)</p>
<p>A6.1 - Are all of your exterior doors <u>one or more</u> of the following:</p> <ul style="list-style-type: none"> • Ignition resistant, and/or, • Solid core not less than 1 ¾” in thickness, and/or, • Constructed with aluminum or fiberglass cladding (fiberglass requires a 20-min. fire rating) 	<p>YES NO (Pass) (Fail)</p>

<p>A7.1 Does your proposed driveway meet all of the following standards? Drive Surface is 12' wide or greater</p> <ul style="list-style-type: none"> • Interior curve radii are 32' or greater • Driveway Opening is 16' wide or greater • Maximum driveway grade is 12% or less • Adequate site distance and crowning/cross sloping for proper drainage <p>Note: Sight distance, angle of approach, and drainage along county road must be reviewed and approved by the Ouray County Road and Bridge Department.</p>	<p>YES NO (Pass) (Fail)</p>
<p>A8.1 - Will your address sign be clearly visible and meet all Ouray County standards in resolution 2017-048 (generally, includes reflective 3" white letters on a reflective green background)?</p>	<p>YES NO (Pass) (Fail)</p>
<p>A9.1 - If a gutter system is proposed, will it be constructed of ignition-resistant material <u>and</u> installed such that the leading edge of the roof is finished with a metal drip edge so that no wood sheathing is exposed?</p>	<p>YES (Pass) NO (Fail) N/A (No gutter system)</p>

SECTION B:

ID	Name			
DEFENSIBLE SPACE ELEMENTS				
B1.0	Defensible Space: A description of the current and/or planned extent and quality of defensible space around the proposed building AND emergency access roads/driveways on the property. Please refer to "Protecting Your Home from Wildfire: Creating Wildfire-Defensible Zones" (CSFS 2012-1) - OR current and relevant replacement of this document - for additional information and standards related to the creation of Defensible Space. Apply same score if current conditions do not exist but a detailed Wildfire Mitigation Defensible Plan has been submitted and demonstrates intention to develop defensible space to these standards. <u>Note that "defensible space" does not mean clearcutting or complete removal of vegetation.</u>			
B1.1	<p>Full Zone 1 (0-30 ft) and Full Zone 2 (30-100 ft): No less than 100 feet of adequate D-Space in all directions around the building. (This is required if utilizing combustible siding)</p> <p>If you are using non-combustible siding, circle "N/A"</p>	<p>YES (PASS)</p>	<p>NO (FAIL)</p>	<p>N/A</p>

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ARCHITECTURAL DESIGN & CONSTRUCTION ELEMENTS

DO NOT FILL THIS SECTION OUT IF YOU ARE NOT PROPOSING A DECK OR FENCING THAT ATTACHES TO THE HOME.	
B2.0	Decks and Fencing: A description of the construction materials, design and assembly of the fencing and decks that are attached to the building.
B2.1	<p>Hardened Decking & Fencing Design/Construction:</p> <ul style="list-style-type: none"> a) decking composed of composite material; and b) Wood joists are covered with a metal cap or similar covering (foil-faced tape bitumin is also recommended) to reduce ember ignitions on exposed joists between deck boards; and c) gaps between decking boards are 1/4" or more (narrower gaps have been shown to increase fire spread); and d) the decking is not elevated above ground level or, if elevated less than 30-inches from the underside of the framing to ground level, it is completely enclosed such that neither convective nor radiant heat can penetrate the deck from the bottom up OR if full enclosure is not feasible the property meets the requirements of 100 feet of defensible space as defined in B1.1; and e) bottom of deck enclosure (if applicable), where it meets grade, meets ignition resistant standards as described in A2.1; and f) entire area under deck must be covered with a weed barrier and covered with an ignition-resistant material such as crushed rock or gravel; and
B2.2	<ul style="list-style-type: none"> a) fences, (if present, attached to home are composed of an ignition-resistant material), will feature at least 5 feet of ignition-resistant fencing where the fence attaches to the structure to reduce the likelihood of the fence carrying fire to structure. b) hardened zone extends out 5 feet from the deck perimeter, void of all combustible fuels including grasses, vegetation, landscape mulch, combustible building materials, etc. Hardened zone must be covered so as to prevent eventual growth of grasses/weeds. A weed barrier fabric and rock/gravel are recommended.

YES **NO**
 (PASS) (FAIL)

N/A
 (NO DECK AND NO FENCE)

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B3.0	Eaves, Overhangs and Structural Projections: A description of any portion of the attached building where projections or overhangs are part of the design element. These areas are vulnerable to heat and ember collection.			
B3.1	Ignition Resistant Projections: All eaves are soffitted and all eaves, overhangs and structural projections are composed of or enclosed by ignition resistant materials (as described in "Exterior Cladding and Siding" - Section A.2).	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;">YES (PASS)</td> <td style="text-align: center; width: 50%;">NO (FAIL)</td> </tr> </table>	YES (PASS)	NO (FAIL)
YES (PASS)	NO (FAIL)			
B4.0	Windows: A description of all exterior windows. Windows are vulnerable to fire intrusion through window frame failure (primarily due to heat exposure) and glazing (glass surface) failure.			
B4.1	FOR STICK BUILT HOMES ONLY: Exterior Windows: (a) all exterior windows have an 'Insulated Glazing Unit' (IGU) consisting of 2 or 3 panes, and; (b) tempered or laminated glass for one or all panes, and; (c) low-e coating on the inner surface of the exterior pane; and (d) all exterior window frames are composed of Ignition Resistant materials.	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;">YES (PASS)</td> <td style="text-align: center; width: 50%;">NO (FAIL)</td> </tr> </table>	YES (PASS)	NO (FAIL)
YES (PASS)	NO (FAIL)			
B4.2	FOR MANUFACTURED AND MODULAR HOMES ONLY: Exterior Windows: (a) All exterior windows have an 'Insulated Glazing Unit' (IGU) consisting of 2 or 3 panes; and (b) all exterior window frames are composed of Ignition Resistant materials.	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;">YES (PASS)</td> <td style="text-align: center; width: 50%;">NO (FAIL)</td> </tr> </table>	YES (PASS)	NO (FAIL)
YES (PASS)	NO (FAIL)			
B4.3	FOR MOBILE HOMES: If possible, it is encouraged that mobile home windows comply with section B4.1 (Preferred) or B4.2 (less preferred) above, but it is not required.	N/A		
EMERGENCY ACCESS ELEMENTS				
B5.0	Driveway Clearances: In addition to Required Element A7.0 "Driveways", this is a description of the driveway's horizontal and vertical clearances which allow for unimpeded emergency response vehicular access. Typical impediments to safe horizontal and vertical access include trees, branches, shrubs, gateways, archways, etc. The horizontal clearance does not require that additional road base material be laid down, instead this is solely looking at the ability for emergency vehicles to access the site.			
B5.1	Driveway is 24 feet wide, or, if driveway is less than 24 feet wide and at least 200 feet in length, an area along the driveway provides a "pullout" for emergency vehicles. The "pullout" is at least 24 feet wide (as measured with the driveway and the pullout combined) and is at least 35 feet in length if possible, so that two emergency vehicles can pass one another along the driveway. The pullout should be approximately midway between the structure and the access point off of the County Road system.	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;">YES (PASS)</td> <td style="text-align: center; width: 50%;">NO (FAIL)</td> </tr> </table>	YES (PASS)	NO (FAIL)
YES (PASS)	NO (FAIL)			

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OTHER CONSIDERATIONS - NO SCORE - EDUCATIONAL PURPOSES ONLY

NEAR BUILDING COMBUSTIBLES - Combustible materials or items vulnerable to ignition should not be placed adjacent to any structure. Common combustible materials include (but are not limited to) propane tanks, firewood, woody debris (dead and down sticks, branches), pine/fir needles, leaves, patio furniture, ornamental wreaths, decorative displays, etc. should be at least 30-feet from any structure.

BUILDING SITE SLOPE - Wildfires burn up slope faster and more intensely than along flat ground. A steeper slope will result in a faster moving fire with longer flame lengths. A structure situated on on a significant slope, and surrounded by flammable vegetation, is the most dangerous location when it comes to wildfires. Ideally a building site should have a slope of 20% or less!

HIGH WILDFIRE RISK TOPOGRAPHIC FEATURE (HWRTF) - The direction and speed of wind can be greatly affected by topography. Ravines, gullies, canyons, etc. will funnel the wind, increase its speed, affecting as well as potentially intensifying fire behavior. It is recommended that structures are placed at a minimum, 150-feet from any HWRTF.

FOREST & FUEL DENSITY (ie. BACKGROUND FUELS) - The amount of fuels has a decided affect on wildfire behavior. Very low volumes of fuel can result in a low-intensity, 'creeping' fire. Alternatively, large volumes of fuel may result in a 'blow-up fire' that is difficult to control. Generally, the greater the volume of fuel, the more intense the fire will be. Also, the extent and density of vegetation around a structure can influence the ability of firefighters to prevent it from burning in a wildfire. Ideally, when building in the Wildland Urban Interface (WUI), adjacent vegetation should be predominantly grasses or herbaceous plants and woody fuels, if present, are sparse and highly isolated.

PLEASE READ THE FOLLOWING CAREFULLY BEFORE YOU SIGN!

This permit will expire after one year if approved construction has not commenced, or if construction or work is suspended or abandoned for a period of one year at any time after work has commenced. Separate permits are required from the State of Colorado for electrical and plumbing installations.

I hereby certify that I have read this application completely and that all information provided is correct to the best of my knowledge. All laws, regulations, and ordinances governing the scope of the project contemplated by this application will be complied with, whether or not specifically described within this application. I understand that providing false or misleading information may result in any permit(s) issued being revoked. The granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating the scope of the project contemplated by this application.

I understand that this application may be open for public inspection as required by the Colorado Open Records Law (C.R.S. 24-72-202, et seq.) and that my personal information contained on this application may be available to the public for review.

I understand that Ouray County is overall a rural county located in rough and difficult terrain with a limited transportation network and County services may be unavailable or service may be untimely in some or all areas of the County. I am aware that approval of a site development permit or any other permit does not constitute and shall not be considered as conferring any guarantee or expectation of the provision of any County service (including emergency services).

Signature of Owner: _____ **Date:** _____

Printed Name of Owner: _____

(PLEASE NOTE THAT PROPERTY OWNER MUST SIGN THIS FORM – NO AGENT SIGNATURES ARE ALLOWED)

INITIAL REVIEW BY: _____ INITIAL REVIEW DATE: _____
 (Initials) (Initials) (Initials)

FINAL REVIEW BY: _____ FINAL REVIEW DATE: _____
 (Initials) (Initials) (Initials)