


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		
A1.0 - Is your roof covering a Class A material, in accordance with UL 790 (ASTM E108)?	YES (Pass)	NO (Fail)
A1.0 - 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)	

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<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 <u>REQUIRED</u> 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 <u>and</u> will complete all work described in the plan for a minimum of 100’ surrounding the entire dwelling unit <u>PRIOR</u> to final inspection and issuance of the Certificate of Completion.</p> <p>* Note: This is <u>REQUIRED</u> 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 <u>PLEASE DON’T CALL WRWC</u> 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>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 	<p>YES NO (Pass) (Fail)</p>
<p>A6.1 - Have you used tempered safety glass or multi-layered glazed panels in <u>all</u> exterior door windows?</p>	<p>YES NO (Pass) (Fail)</p>

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<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 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 <i>and</i> 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>
<p>Section 16.5B3 – If constructing a home in a location that does not have a central water system (ie; Tri-County Water) you will install a reserve water supply (cistern or other approved storage) in an amount of at least one gallon of water per square foot of all residential structures on the property. The water storage tank will have fittings for attachment to fire truck pumping equipment as required by the closest serving fire district and have provisions for maintaining at least 90% capacity.</p>	<p>YES NO (Pass) (Fail)</p>

WILFIRE REGULATION COMPLIANCE – SCORED ELEMENTS:

You must respond to each of the following questions by circling the point value that most closely matches the scenario with your construction project. The lower your point total is, the more fire resistant the home will be. In order to pass, the project must score 589 points OR LESS.

ID	Name	Points	Building Permit	Prior to Cert. of Occupancy
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	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.	0		
B1.2	Full Zone 1 (0-30 ft) But Not Full Zone 2 (30-100 ft): No less than 30 feet of adequate D-Space in all directions around the building.	100		
B1.3	Not Full Zone 1 (0-30 ft): Less than 30 feet of adequate D-Space in all directions around the building.	300		

BUILDING SITE ELEMENTS

B2.0	Slope (Percent/Degrees): A measurement of the slope of the property as it relates to the location of the building. The slope measurement is taken by creating a 300 foot straight-line transect with the center of the building in the middle of the transect and the two ends of the transect are at the highest and lowest elevations possible.			
B2.1	<20% / <11.31°: Measured slope is less than 20%	0		
B2.2	20-45% / 11.31°-24.23°: Measured slope is between 20.0 and 45%	60		
B2.3	>45% / >24.33°: Measured slope is greater than 45%	120		
B3.0	Proximity to High Wildfire Risk Topographic Feature : A measurement of the distance of the edge of the building (including attached decks) to the start of a topographic feature, designated as a High Wildfire Risk Topographic Feature (HWRTF). The Rating Assessor will utilize existing data and best professional judgement to determine existence and proximal location of HWRTF.			
B3.1	> 150' away: Building footprint greater than 150 feet from HWRTF	0		
B3.2	50 - 150' away: Building footprint is between 50 feet and 150 feet from HWRTF.	70		
B3.3	<50 ' away: Building footprint is less than 50' feet from HWRTF.	140		
B4.0	Forest & Fuel Density (aka "Background Fuels"): An estimate measurement of the approximate fuel density (only species that contribute as wildfire fuel) within/beyond Zone 3 (regardless of property boundary). For this purpose, Zone 3 is defined as starting 100 feet away from the building and ending at 350 away from the building in all directions. Emphasis and weight should be placed on forest and fuel locations most likely to impact fire behavior approaching the building.			
B4.1	Light: Predominately grasses and herbaceous plants. Woody fuels, if existing, are sparse and highly isolated	0		
B4.2	Moderate: Well spaced and isolated trees and shrubs mixed with grasses and herbaceous plants. "Isolated" is defined as a greater than 10 foot (>10') average spacing between edges of crowns (outer most branches of a tree/shrub).	60		
B4.3	Heavy: Trees and shrubs are the predominant cover type and are dense in nature. Dense is defined as less than 10 foot (<10') average spacing between edges of crowns (outer most branches of tree/shrub).	120		

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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.				
B5.0	Decks and Fencing: A description of the construction materials, design and assembly of the fencing and decks that are attached to the building.			
B5.1	Hardened Decking & Fencing Design/Construction: <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 g) 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. h) 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. 	0		
B5.2	Deck Constructed without Composite Decking: The proposed or built deck conforms with B5.1 in every way (subsections a-h) <u>except</u> subsection (a) related to the requirement for composite materials in deck construction.	90		
B5.3	Non-Ignition Resistant Decking & Fencing: Any attached deck or attached fencing does not completely and entirely conform with B5.1 or 5.2.	180		

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B6.0	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.			
B6.1	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).	0		
B6.2	Non-Ignition Resistant Projections: One or more eaves has an open-eave construction design or one or more eaves, overhangs or structural projections does not otherwise conform with B6.1.	80		
B7.0	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.			
B7.1	Preferred 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. (Note: If Defensible Space is 30-feet or greater then requirements 'c and d' above are eliminated.)	0		
B7.2	Less Preferred 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. (Note: If Defensible Space is 30-feet or greater then requirement 'b' above is eliminated.)	70		
B7.3	Fire Vulnerable Exterior Windows: Windows do not conform with B7.1 or B7.2	140		
EMERGENCY ACCESS ELEMENTS				
B8.0	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.			
Horizontal Clearance	Greater than 24 feet of horizontal clearance has been achieved.	0		
	Less than 24 feet of horizontal clearance has been achieved, however an area along the driveway provides a "pullout" for emergency vehicles. The "pullout" provides at least 24 feet of horizontal clearance (as measured with the driveway and the pullout combined) and is at least 35 feet in length 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.	0		
	Less than 24 feet but greater than 20 feet of horizontal clearance	40		
	Less than 20 feet of horizontal clearance	80		
Vertical Clearance	Greater than 13.5 feet of vertical clearance	0		
	Less than 13.5 feet of vertical clearance	30		

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OTHER CONSIDERATIONS - NO SCORE - EDUCATIONAL PURPOSES ONLY

B9.0	Near Building Combustibles: A description of other combustible materials, vulnerable to ignition, near the building. The emphasis for combustibles is within Zone 1, or zero to thirty feet from the building ANY material that is combustible should be considered. Common combustible materials include (but are not limited to): propane tanks, firewood, woody debris (dead and down sticks, branches, etc.), pine/fir needles, leaves, patio furniture, ornamental wreaths, decorative displays, etc.			
B9.1	Combustible materials are not within 30 feet of any buildings	No applicable score.		
B9.2	Combustible material are within 10-30 feet of the building.			
B9.3	Combustible material within 10 feet of the building.			
		Max Points Available	Site Inspection	Prior to Cert. of Occupancy
Totals		589	0	0
		589 or below	Passing Score	
		590 or Above	Failing Score	

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)