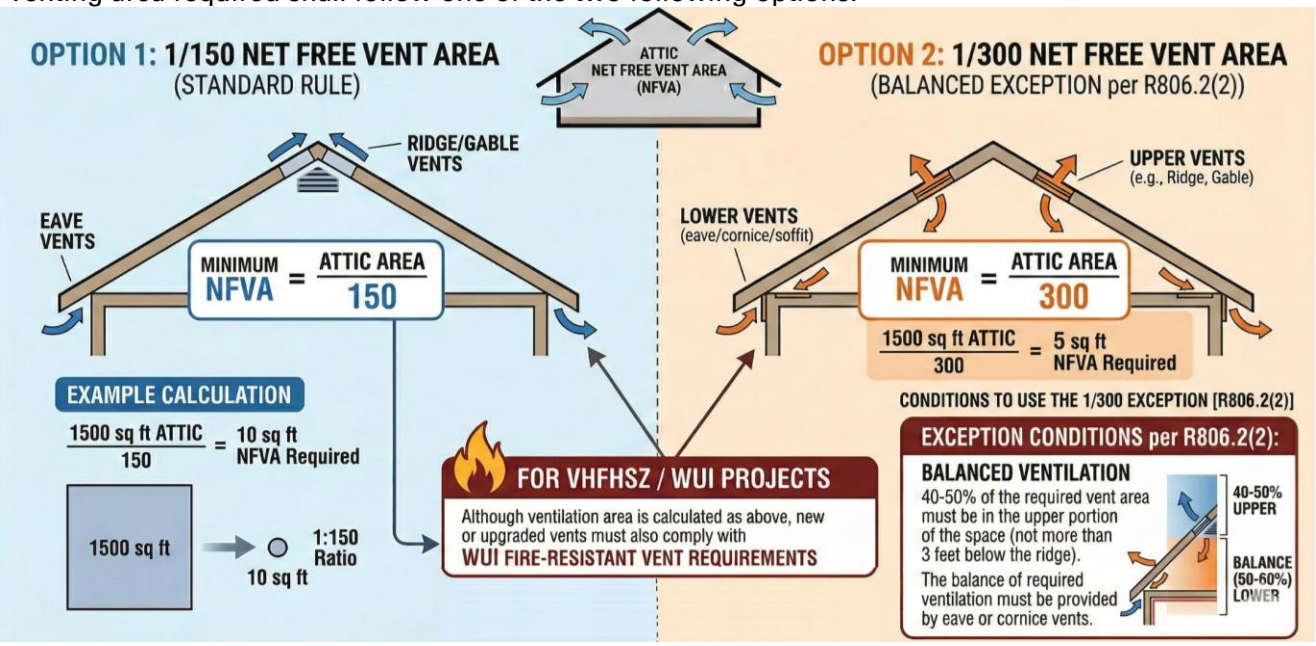
Fire Hardening Vents Issuance Worksheet

SITE ADDRESS: _____

ALL VENTS SHALL MEET CALIFORNIA VERY HIGH FIRE HAZARD SEVERITY ZONE (VHFHSZ) / WILDLAND URBAN INTERFACE (WUI) REQUIREMENTS (R902.1.1 / CWUI § 504.10)

The quantity of vents shall provide adequate attic or rafter space ventilation in accordance with R806.1/R806.2. When installing VHFHSZ/WUI vents, additional vents are required due to the reduced net free venting area of complaint vents. Number of required vents shall be based on attic/rafter bay area, see instructions for field verification.

Total venting area required shall follow one of the two following options:



Where retrofit of crawlspace vents are proposed, venting calculation and additional openings are not required where the largest VHFHSZ/WUI vent that will fit in the rough opening is installed.

PRE-APPROVED ROOF VENT MANUFACTURERS / PRODUCT LINES: (No review by a plan check engineer required.)

Manufacturers are listed in alphabetical order by manufacturers' name; this list does not imply any endorsement of a specific manufacturer over others. Circle manufacturer selected for proposed vents.

- ☐ *BrandGuard Vents*
- ☐ Bushfire Mitigation Solutions (*Wildfire Defense Mesh*)
- ☐ *Embers Out* vents
- ☐ *O'Hagin: Fire & Ice* Product Line
- ☐ *Vulcan Vent: Fire and Ember Safe Vents*

Products not listed above will go through screening by a plan check engineer to verify product compliance, cutsheets/specifications, and product listing shall be attached to this form.

Modifications to roof trusses or roof rafters are not covered by this expedited process. Complete structural plans and calculations are required for any framing modifications, with associated plan check and approval by Building & Safety. Installation of vents on the roof shall be performed by a CSLB licensed C-39 Roofing contractor.

If you would like your product added to above list, please contact us at (818) 790-8651. Requestor will be required to provide product listing by an approved agency and product cutsheets/specifications.

Fire Hardening Vents Inspection Worksheet

Instructions for Field Verification

To the Installer/Contractor: This form must be completed in the field **prior** to your final roof inspection. To utilize this expedited process without a plan check engineer review, you must select a pre-approved roof vent manufacturer.

1. **Calculate Area:** Determine the total square footage of the attic or rafter bay area being ventilated.
2. **Select Option:** Choose either the Standard Rule (1/150) or the Balanced Exception (1/300). Note: To use the 1/300 exception, 40-50% of the required vent area must be in the upper portion of the space, with the balance provided by lower vents.
3. **Determine Vent Count:** Use the manufacturer's cut sheet to find the Net Free Vent Area (NFVA) per vent. Divide the total required NFVA by the vent's specific NFVA to determine the total number of vents required. Be aware that installing VHFHSZ/WUI compliant vents typically requires additional vents due to their reduced net free venting area.
4. **Sign and Retain:** The installer must sign this document and have it available on-site for the City of La Cañada Flintridge Building Inspector.

Field Verification Calculation Table

Permit Number:			
Site Address:			
Area to be vented:			
Selected Ratio Option:	☐ Option 1 (Area to be vented/150) ☐ Option 2 (Area to be vented/300)		
Calculated Required Net Free Vent Area (NFVA) in Square Feet:			
Calculate Required Net Free Vent Area (NFVA) in Square Inches (NFVA SF x 144):			
Proposed Vents:			
Manufacturer & Model	NFVA (SQ IN)	# of vents	**Vent Area Subtotal**
		Total NFVA of all proposed vents:	

Field Certifications

Installer Certification:

I certify that the above calculations are accurate, that the installed vents meet California VHFHSZ/WUI requirements, and that the ventilation provided meets or exceeds the minimum requirements of the current Los Angeles County Building/Residential Code.

Print Name: _____ **Signature:** _____ **Date:** _____