



## Ignition Resistant 3 Construction

*\*\*All construction features must be approved by the County Building Official prior to permitting. All driveway conditions must be approved by the County Engineering Department.*

### **Fire Department Access**

1. **Driveways** in excess of 150 feet shall be provided with turnarounds. Driveways in excess of 200 feet and less than 20 feet in width shall be provided with turnouts in addition to turnarounds. **Driveways shall provide a minimum unobstructed width of 12 feet and minimum unobstructed height of 13 feet 6 inches.** Turnarounds shall have inside turning radii of not less than 30 feet and outside turning radii of not less than 45 feet. Turnouts shall be all-weather road surface at least 10 feet wide and 30 feet long. (IWUIC 403.2.2)
2. **Bridges** shall be posted and designed for emergency vehicle load limits. (IWUIC 403.2.6)

### **Roof Assembly**

1. **Roofs** shall have a roof assembly that complies with not less than a Class B rating when tested in accordance with ASTM E108 or UL 790 or an approved noncombustible roof covering. For roof assemblies where the profile allows a space between the roof covering and roof deck, the space at the eave ends shall be firestopped to preclude entry of flames or embers or have a one layer of cap sheet complying with ASTM D3909 installed over the combustible roof deck. (IWUIC 506.2)
2. **Roof valleys**, where provided, valley flashings shall be not less than 0.019-inch corrosion-resistant metal installed over a minimum 36-inch-wide underlayment consisting of one layer of 72-pound mineral-surfaces, nonperforated cap sheet complying with ASTM D3909 running the full length of the valley. (IWUIC 506.2.1)

### **Gutters and Downspouts**

1. Gutters and downspouts shall be constructed of noncombustible material. Gutters shall be provided with an approved means to prevent the accumulation of leaves and debris in the gutter. (IWUIC 506.4)

### **Vents**

1. Where provided, attic ventilation openings, foundation or underfloor vents, or other ventilation openings in vertical exterior walls and vents through roofs shall not exceed 144 square inches each. Such vents shall be covered with noncombustible corrosion-resistant mesh with openings not to exceed 1/8 inch or shall be designed and approved to prevent flame or ember penetration into structure. (IWUIC 506.5)



**Unenclosed Underfloor Protection**

1. Buildings or structures shall have all **underfloor areas** enclosed to the ground with exterior walls or shall have all underside of exposed floors and exposed structural columns, beams and supporting walls protected as required for exterior 1-hour fire-resistance-rated construction, fire-retardant-treated wood, or heavy timber construction. Fire-retardant-treated wood shall be labeled for exterior use and meet the requirements of Section 2303.2 of the IBC. (IWUIC 506.3)

**Miscellaneous**

2. **Firewood and combustible material** shall not be stored in unenclosed spaces beneath buildings or structures, or on decks or under eaves, canopies or other projections or overhangs. (IWUIC 607.1)
3. **Chimneys** serving fireplaces, barbecues, incinerators, or decorative heating appliances in which solid or liquid fuel is used, shall be provided with a spark arrester. Arrester shall be constructed of woven or welded wire screening of 12 gage wire having openings not exceeding  $\frac{1}{2}$  inch. (IWUIC 605.1)
4. **LP-gas containers** shall be installed underground. (IWUIC 606.2; amended)
5. All buildings shall have a **permanently posted address**, which shall be placed at each driveway entrance and be visible from both directions of travel along the road. **Where multiple addresses are required at a single driveway, they shall be mounted on a single post, and additional signs shall be posted at locations where driveways divide.** (IWUIC 403.6)

The structure will require \*\*\* feet of defensible space around the structure. Trees must be greater than 10 feet from the structure, overhead electrical facilities and the crowns must be greater than 10 feet from crowns of adjacent trees. Trees within the defensible space shall have limbs pruned at least 6 feet off of the ground. Fire resistive vegetation is recommended within this area. (IWUIC 604.4)

Above requirements shall be spelled out within construction documents for this project and shall require inspection when WUI requirements are being installed, constructed and/or assembled. **Final inspection will be required from this Department.**

Should you have questions, please feel free to contact me at [bclauson@tetoncountywy.gov](mailto:bclauson@tetoncountywy.gov) or 307-732-8588.