



COUNTY OF PLACER
Community Development Resource Agency

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BUILDING

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**Residential Default Design Criteria
for Elevations < 3000' and Wildland Urban
Interface Requirements**

To assist builders and designers with default design criteria the following handout has been developed for elevations below 3000 feet in unincorporated areas of Placer County, California.

Structural Design Criteria

| | | |
|-------------------------|--|---|
| Wind Speed: | 85 MPH | <i>CRC § R301.2 (4)</i> |
| Wind Exposure: | B | <i>CRC § R301.2.1.4 (2)</i> |
| Soil Site Class: | D | <i>CRC § R301.2.2.1.1</i> |
| Seismic Class: | B, C, & D | <i>CRC § R301.2.2 exception, R301.2.2.1</i> |
| Ground Snow: | 20 lbs. (min.) >70 lb. to be of engineered design* | <i>CRC § R301.2.3</i> |
| Floor Live Load: | 40 lbs. | <i>CRC § R502.2</i> |

*see Placer County Ordinance Article 15 for clarification

Energy Code Criteria

| | | |
|----------------------|----|-------------------------------|
| Climate Zone: | 11 | <i>CA Energy Code § 101-A</i> |
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WUI Requirements

WUI Required: New construction in any Fire Hazard Severity Zone within State Responsibility Area or when the nature of the project includes all of the following; Replacing, the roof covering material, windows, and exterior wall covering of the structure
CRC § R327.1.2 (exception).

WUI Requirements:

- ✓ Exterior wall coverings must be identified on the plans as being WUI compliant including manufacturer's/brand name or identifiable trade name. *CRC § R327.7*
- ✓ Window and door glazing must have one pane tempered. *CRC § R327.8.2.1*
- ✓ Roofing must be a class 'A' assembly, with valley flashings having a 72 pound asphaltic cap sheet underlayment, and rain gutters being protected with guards to prevent the accumulation of leaves and debris. *CRC § R327.5.*

General Code Requirements

| | | |
|--------------------|--|-----------------------|
| Guardrails: | Min. 42" height, max picket spacing <4" between pickets | <i>CRC § R312</i> |
| Handrails: | 34"-38" above the tread nosing, 1 1/4"- 2" diameter | <i>CRC § R311.7.7</i> |
| Stairs: | Max. Rise 7 3/4", min. tread depth 10";max. rise diff. 3/8" | <i>CRC § R311.7.4</i> |
| Alarms*: | | |
| Smoke: | Each bedroom, areas adjacent to bedrooms, min. one per story. | <i>CRC § 314.3</i> |
| CO: | Areas adjacent to bedrooms, min. one per story (combo smoke/CO ok) | <i>CRC § 315.3</i> |

*Devices must be UL/California SFM approved