



# CITY OF HOOD RIVER

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## Deck Construction Guides and Tutorials

*“Except for hurricanes and tornadoes, more injuries may be connected to deck failures than all other wood building components and loading cases combined!”*

*-Dr. Frank Woeste, P.E*

Building a safe and structurally sound deck can be a life and death topic, especially out here in the Columbia River Gorge. The City of Hood River’s Building Department has compiled several tutorials and publications for residential decks in this pamphlet. Please take the time to read up and reference the content links below whenever your plans include deck space. As always, please also reference [Section R507 of the 2017 Oregon Residential Specialty Code](#) for legislated code requirements.

### American Wood Council:

- [Code Standards Publication](#)

### Simpson guides and products to constructing a safe deck:

- [The Deck Center](#)
- [“Get Ready for Deck Season”](#)

### Deck Footing Options:

- <https://youtu.be/QeAsBIRcMoc>

### Flashing Video Guide:

- <https://youtu.be/A8MJrFiXHcQ>

### Critical Deck Connections Video:

- <https://youtu.be/Ui2GGSRxYyM>

### Deck Ledger Attachments:

- <https://youtu.be/5HaYmbXASCs>

### Installing Deck Joists:

- [https://youtu.be/uAaD\\_0WnOYk](https://youtu.be/uAaD_0WnOYk)

### Fastening Deck Guardrails:

- <https://youtu.be/ITRquLcl6Jo>

### Building Strong Deck Stairs:

- <https://youtu.be/5TPihkFJopk>



### Knee Braces on Taller Decks:

Anything over 4-ft should have these. Engineering is often recommended for decks over one story. It also depends upon how far out the end of the deck is from the house. *Additional engineering may be required depending upon your specific deck design*