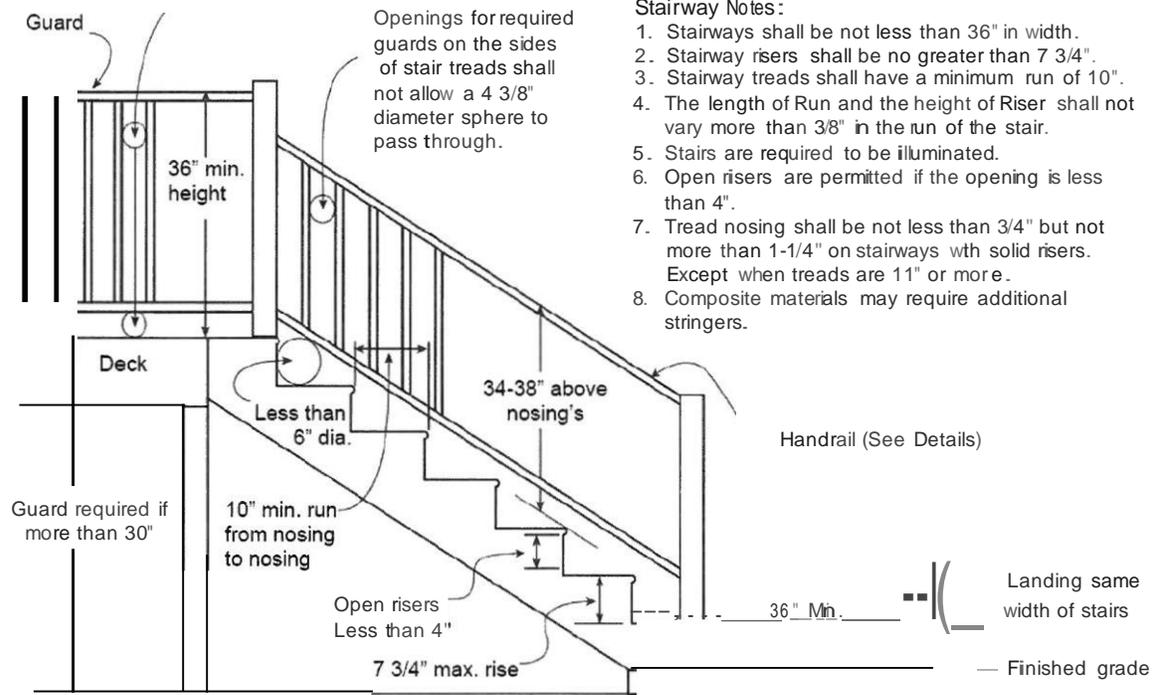




The following details are examples of the code requirements based on the 2018 International Residential Code for single story decks. The 2018 International Residential Code Section R507 contains additional information and details specific to deck construction.

New or existing   
 Light required

Open guards on decks more than 30 inches above grade or floor below shall have members spaced so that a 4 inch diameter sphere cannot pass through.



**Stairway Notes:**

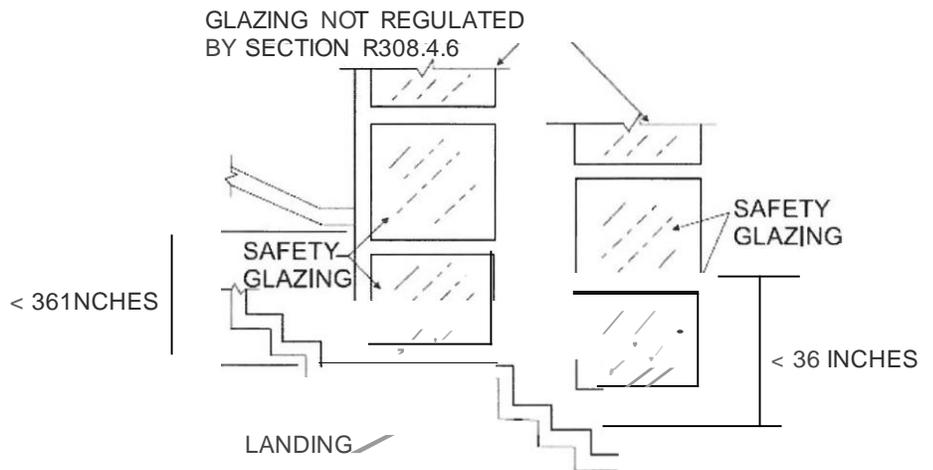
- 1. Stairways shall be not less than 36" in width.
- 2. Stairway risers shall be no greater than 7 3/4".
- 3. Stairway treads shall have a minimum run of 10".
- 4. The length of Run and the height of Riser shall not vary more than 38" in the run of the stair.
- 5. Stairs are required to be illuminated.
- 6. Open risers are permitted if the opening is less than 4".
- 7. Tread nosing shall be not less than 3/4" but not more than 1-1/4" on stairways with solid risers. Except when treads are 11" or more.
- 8. Composite materials may require additional stringers.

**SAFETY GLAZING:**

Glazing where the bottom exposed edge of the glazing is less than 36 inches above the plane of the adjacent walking surface of stairways, landings between flights of stairs and ramps shall be considered a hazardous location. [IRC R308.4.6]

Glazing adjacent to the landing at the bottom of a

stairway where the glazing is less than 36 inches above the landing and within 60 inches horizontally of the bottom tread shall be considered a hazardous location. [IRC R308.4.7]

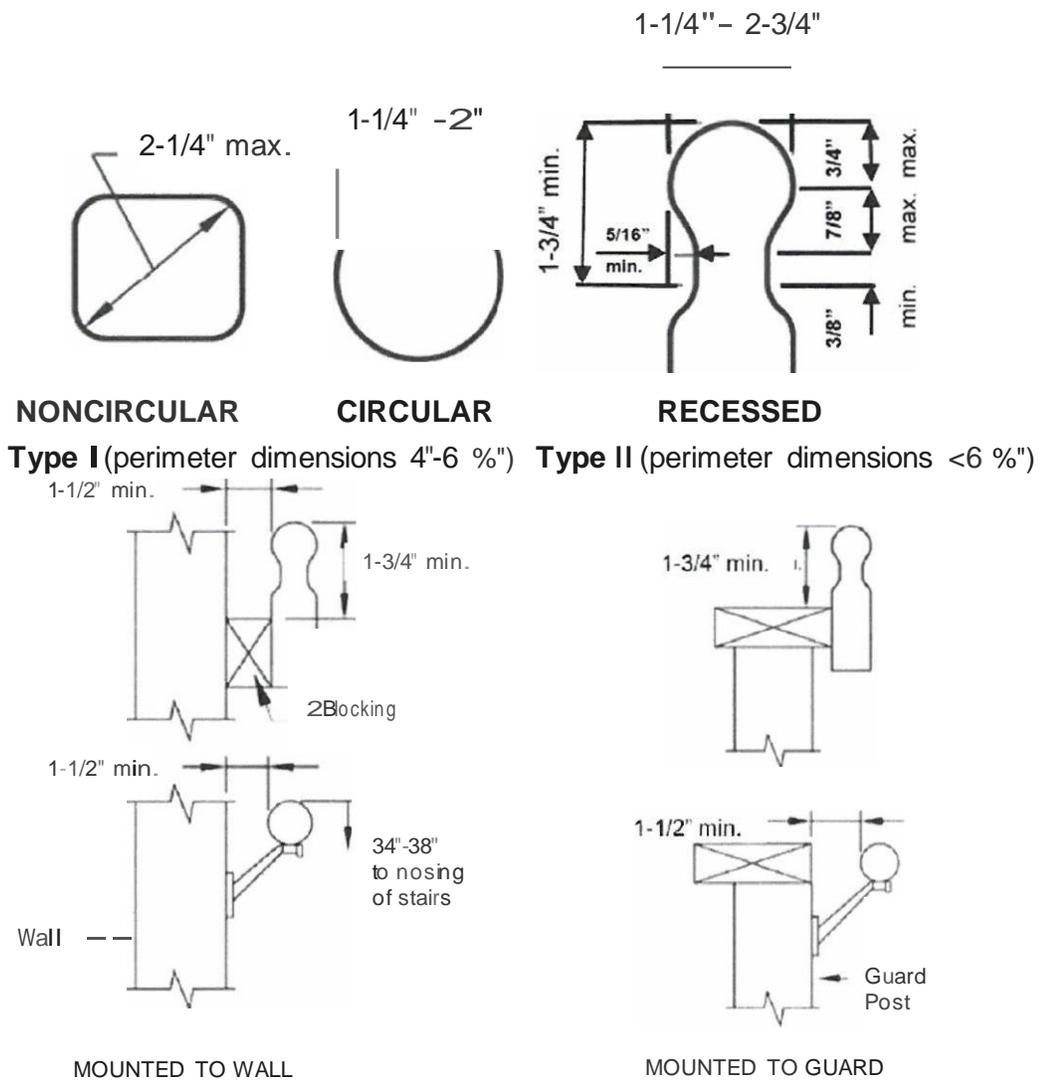




### STAIR HANDRAIL REQUIREMENTS:

All stairs with 4 or more risers shall have a handrail on at least one side. The handrail height measured vertically from the sloped plane adjoining the nosing shall not be less than 34 inches or more than 38 inches. Handrails shall run continuously from a point directly over the lowest riser to a point directly over the highest riser and shall return to the guard at each end. Handrails may be interrupted by guard posts at a turn in the stair [R311.7.8.2].

Handrails shall be graspable and shall be composed of decay-resistant and corrosion resistant material handrail shall be Type I, Type II, or provide equivalent graspability.



American Forest & Paper Association Inc. has published the "Prescriptive Residential Wood Deck Construction Guide" Based on the 2012 International Residential Code. The construction details in this document are accepted in Pierce County for single level residential wood decks only. You can download the guide from the internet at the following website. <http://www.awc.org/Publications/DCAIDCA6/DCA6-09.pdf>