



Anderson County

## Building and Codes Department

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### Handrail Grip Size Requirements As Outlined In the 2015 International Residential Code (IRC)

#### R311.7.8.3 Handrail Grip Size

All required handrails shall be of one of the following types or provide equivalent graspability.

**(Type I)** Handrails with a circular cross section shall have an outside diameter of at least 1 ¼ inches and not greater than 2 inches. If the handrail is not circular it shall have a perimeter dimension of at least 4 inches and not greater than 6 ¼ inches with a maximum cross section dimension of 2 ¼ inches.

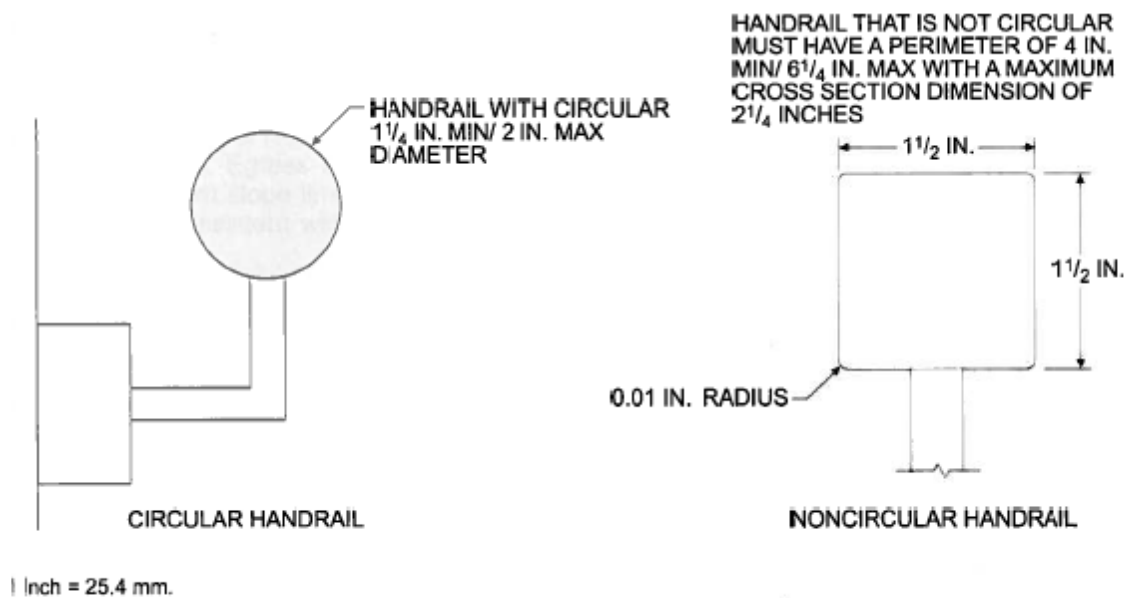
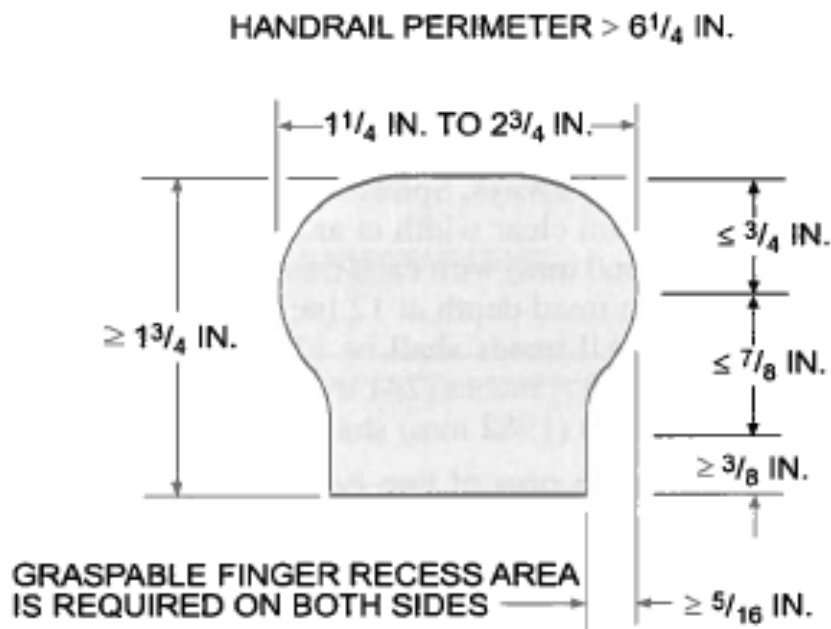


Figure R311.7.8.3(1)  
TYPE 1 HANDRAIL



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**(Type II)** Handrails with a perimeter greater than 6 ¼ inches shall provide a graspable finger recess area on both sides of the profile. The finger recess shall begin within a distance of ¾ inch measured vertically from the tallest portion of the profile and achieve a depth of at least 5/16 inch within 7/8 inch below the widest portion of the profile. This required depth shall continue for at least 3/8 inch to a level that is not less than 1 ¾ inches below the tallest portion of the profile. The minimum width of the handrail above the recess shall be 1 ¼ inches to a maximum of 2 ¾ inches. Edges shall have a minimum radius of 0.01 inches.



For SI: 1 inch = 25.4 mm.

**Figure R311.7.8.3(2)  
TYPE II HANDRAIL**