

Building Codes

Superior Spiral Stairs' railing and stair designs will meet compliancy with each of the requirements that are listed below. This information will apply to the BOCA Code, UBC Code, IRC Code, and IFC codes.

- Minimum clear walking path of 26 inches. A 5-foot diameter or larger stair will provide this width.
- Each tread will have a minimum tread depth of 7 1/2 inch at 12 inches from the narrow edge.
- All treads will be identical.
- The tread rise shall not be more than 9 1/2 inches high.
- Landing width shall not be less than the required width of the stairway.
Minimum spiral stair tread width is 26 inches.
- Minimum headroom of 6 foot 6 inches shall be provided, measuring plumb from the edge of the landing down to the tread below.
- Stair balusters shall be spaced so a 4-inch object cannot pass between. The IRC 2003 & 2006 permits a 4 3/8 inch space.
- Balcony/Well Enclosure guardrail balusters shall be spaced so a 4-inch object cannot pass between. Balcony/Well Enclosure guardrail height shall not be less than 36 inches. (If your state or municipality requires 42-inch tall guardrails, the sales order must reflect this detail.)
- The stairway shall be equipped with one handrail on the wide edge of the tread.
- Handrail height, measured vertically from the tread nosing, shall be not less than 34 inches and not more than 38 inches.
- Handrail grip size. Handrails with a circular cross section shall have an outside diameter of at least 1 1/4 inches and not greater than 2 inches. If the handrail is not circular, it shall have a perimeter dimension not greater than 6 1/4 inches. Handrails with a perimeter greater than 6 1/4 inches, shall provide a graspable finger recess area on both sides of the profile.
- A 300 lb. concentrated load is required. Please see our detailed Blueprint/Standard Plan for more information.

*Superior Spiral Stairs' standard code package does not address the open space between each tread (open rise stair). *IRC Code or IFC Code requires not more than a 4" space in this area, you will need to order a riser bar or modified tread to meet requirements. Please contact a consultant for more information.

*Please check with your local building department for the exact requirements for your area.