

# Safe Railings and Guards

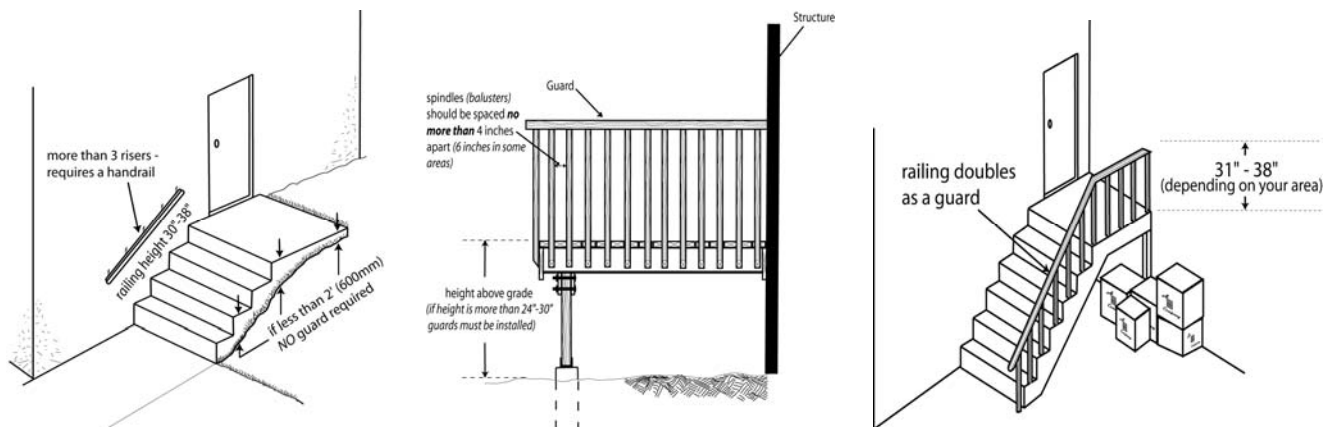
## Headlines:

The CDC (Centers for Disease Control and Injury Prevention) estimates that 40% of all unintentional deaths around the home are due to falls. One in five injuries that require a visit to an emergency room is due to a fall. Over 50% of these are falls that happen at home and most of these are falls from stairs and steps.

Railings and guards are designed to keep people from falling and injuring themselves. There is no doubt that properly installed railings and guards could help to improve these statistics.

## What's a railing and a guard?

A railing is something to grip onto when you go up and down a staircase. A guard is something that keeps you from falling off a staircase, deck or balcony. On a staircase, sometimes the railing doubles as a guard.



*This is a railing mounted onto a wall next to a staircase. The railing should be securely attached to the wall. If you stumble, you may have to grab onto this and it should support you*

*This guard is supposed to keep people from falling off the deck. The guard should be solid and should support your weight.*

*An open staircase requires a guard. This guard can function as the railing as well as long as it is designed properly. The guard must be shaped so it can be easily gripped.*

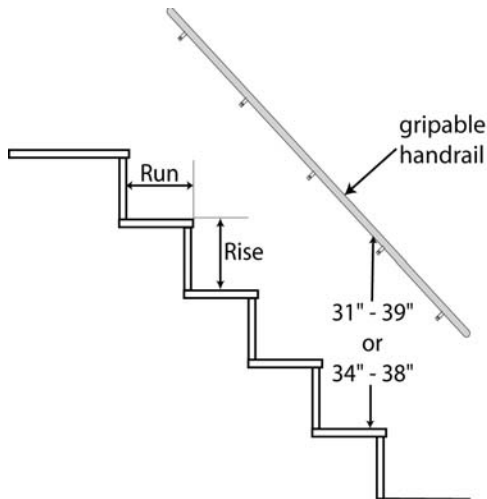
Many homes have missing or inappropriate railings and guards. One reason is that older homes did not have the same requirements as we do today. Home owners are not required to upgrade their homes to modern safety standards. If we had to upgrade, everybody would have to renovate their home every year just to keep up.

Bulldog® home inspectors inspect your home with this in mind. We don't believe people should have to renovate their homes every year. Your railings and guards may be perfectly adequate for the time they were installed. At the same time we are concerned for your safety. We believe the solution is to provide you with information on common safety issues and let you decide if you would like to address the issue as a discretionary upgrade.

# Safe Railings and Guards

## Common Issues:

**Missing railings:** Sometimes a staircase has no railing at all, either because the previous owner removed it to make more room to move furniture up the stairs or because it was never installed in the first place. Ideally there should be a railing on any staircase that has more than two or three risers. The actual requirement depends on your area and when the home was built.



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**Missing guard:** A common scenario is there is no guard on an open staircase to a basement. In many areas, a guard was not required as long as there was a wall on one side and the basement unfinished. Today, many home owners have turned their basement into a recreation area or a playroom for children. The open staircase is now a danger. Ideally, a railing and guard should be added.

**Guard too low:** In some cases, an old home will have very low guards on staircases or balconies. This was the design at the time the home was built. Ideally, a guard should be 36 inches high, unless it's part of a staircase handrail in which case 34 inches would be ideal. In many areas, if the drop is six feet or more, a guard of 42 inches is required.

**Railing or guard has large openings:** Railings and guards may have vertical spindles (called balusters). The hope is that these will keep people from falling through. In some cases, the spacing between the spindles is so wide, a child could fall through. The requirements have changed over the years and also vary from area to area but most authorities believe that a maximum opening of four inches offers the best protection.

## Other things to look for:

- Guards that incorporate climbable elements are not ideal. An example is a bench built into a guard or horizontal slats between the spindles on the guard. The concern is that children can climb them and fall over.
- Appropriate lighting for a staircase is a must. A dark stairwell is dangerous. That's all there is to it.
- Uneven stairs and stairs with non-uniform riser height are dangerous.