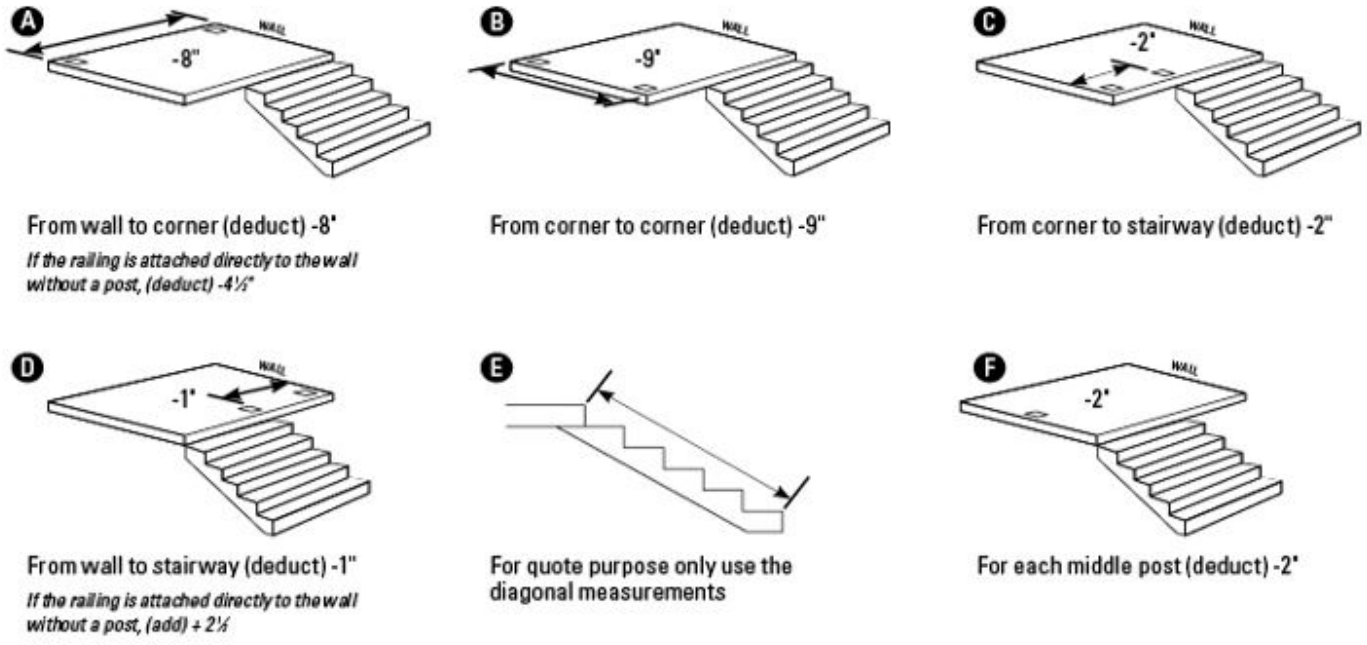
Aluminum Railing Project Calculation Guide

To determine the material needed for a project, the following steps can be used as a guide.

You will need to first determine the post size and dimensions of the project surface. These factors may change the length and quantity of railings needed for the project.

When using 2” post, the following measurements can be used as a guide to determine the length and quantity of railings needed.

Using 2"x 2" Posts



From wall to corner (deduct) -8"

If the railing is attached directly to the wall without a post, (deduct) -4½"

From corner to corner (deduct) -9"

From corner to stairway (deduct) -2"

From wall to stairway (deduct) -1"

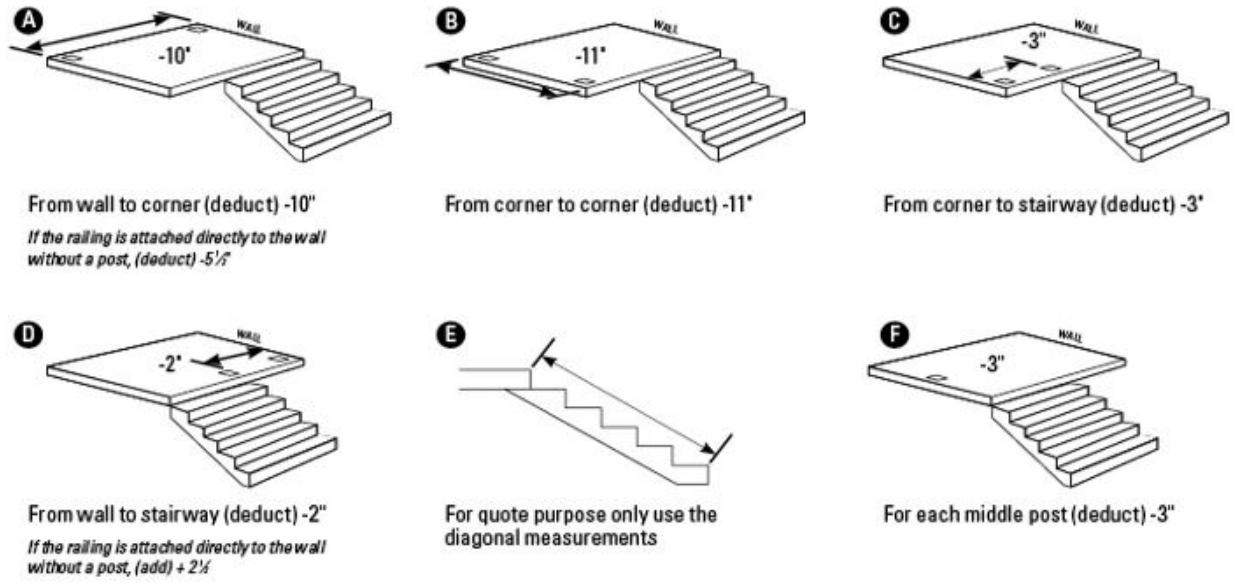
If the railing is attached directly to the wall without a post, (add) + 2½

For quote purpose only use the diagonal measurements

For each middle post (deduct) -2"

When using 3” post, the following measurements can be used as a guide to determine the length and quantity of railings needed.

Using 3"x 3" Posts



From wall to corner (deduct) -10"

If the railing is attached directly to the wall without a post, (deduct) -5⅛"

From corner to corner (deduct) -11"

From corner to stairway (deduct) -3"

From wall to stairway (deduct) -2"

If the railing is attached directly to the wall without a post, (add) + 2¼

For quote purpose only use the diagonal measurements

For each middle post (deduct) -3"

These guidelines may not be applicable to all projects as frame construction and design can vary depending on the consumers design and preferences.

When quoting, the following steps can be used as a guide:

1. Choose railing height
2. Choose post size: 2” or 3”
3. Determine post height
4. Determine railing length
5. Determine stair post and railing

When quoting the post needed for the project you will need to keep in mind that post height will vary for 36”, 42” and 48” high apllciations. Tipycally, mounting posts are used on the deck surface and stair posts on bottom step of the stairs.

Once the spacing between each post has been established and the type of railing has been identified, the number of required railing kits can be calculated.

Each product line may have variations in the railing lenghts offrered and should always be considered when completing a quote.

On projects that have smaller spacings between post, a longer railing kit cut in multiple sections may be more efficient than purchasing multiple sections of the shortest railing available.

For example: if there's two spacings of 34" between post. It would be more ecnomical to purchase one 72" section and cut it in two versus purchasing two kits of 48". In this case the consumer will require extra mounting hardware depending on the system purchased.

In some cases, projects may have railing sections that meet in an angle. Each railing system has specific instructions for this type of assembly and extra hardware will need to be included in the quote.

For more complex projects, the Kool-Ray customer service team is available to provide support on specific project needs.