

How To Field Verify Stairs

Below is an illustration of the field verification that should be provided when field verifying stairs with or without a stair stringer to mount your railing.

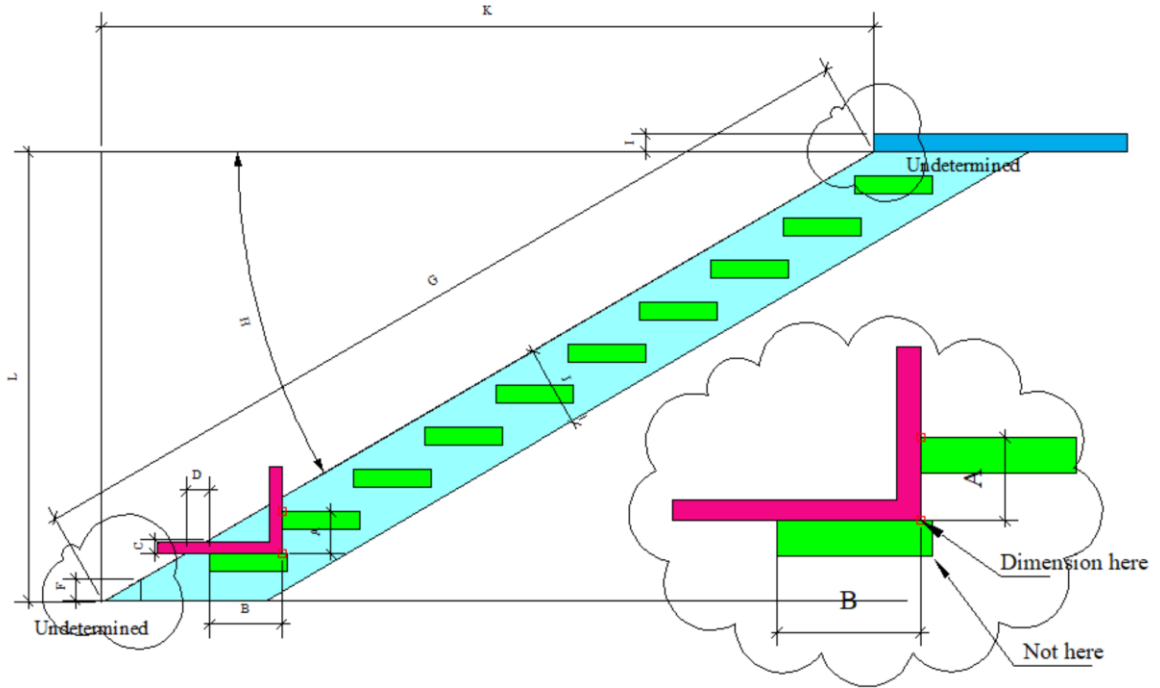
Mounting rails to stairs.

1. Measure each tread as shown in the illustration by obtaining dimensions A and B.
2. It is important that you use two carpenters squares to obtain the most accurate tread and riser dimensions. See illustration 2. As to why we use the carpenters square and how to properly use these tools.
3. Provide a field drawing much like illustration 1 that demonstrates each tread and riser dimension.
4. Depending on the length of your stairs, you should also provide dimensions G, K and L. On longer stairs this is just not possible.
5. If mounting your stairs to the lower landing or grade, be sure to take the first riser dimension from top of landing or grade to the top of the first tread.
6. With these dimensions, your CAD designer can accurately provide a representation of what is in the field and apply the railing design.
7. Be sure your dimensions are accurate to the 1/16th of an inch. If repeatedly rounding your dimensions, you may be off an inch or several inches in the end. If this is baked into your railing design, you will discover your posts may not be long enough or your entire railing slightly out of plumb. For this reason, CAD designers prefer you make every effort to take dimensions G, K and L as a pressure test for your summed tread and riser dimensions.

Mounting rails to stair riser.

1. Repeat steps 1 – 6 above.
2. Obtain dimensions D & C as well at each estimated post location.

Illustration 1.



Notes:
 Dimensions A,B,C & D at every tread. Use right angle tool to obtain A & B. Note B is to back of tool and not back of tread. This takes into consideration any nosing on the tread above. See Detail.
 Dimensions K & L are preferred to sustain accuracy, if you can not get these two dimensions, you may use "smart level" angle tool that provides angle/degree to .01.

Illustration 2.

Wrong way to field verify stairs. By not using a right angle tools, you fail to pick-up any slope on treads, nosing or tread set-back.

