

# Railing Installation:

Your installation guide for Rustic™ Railing

## Rustic™ Railing System:

- ! Make sure the post sleeve and ring base have been installed. Make sure post is plumb and level. Properly size the top and lower rail, and metal insert by measuring the distance between the two post sleeves, and cut to desired length.
- Makes sure the spindles are all the same length, measure and cut accordingly.

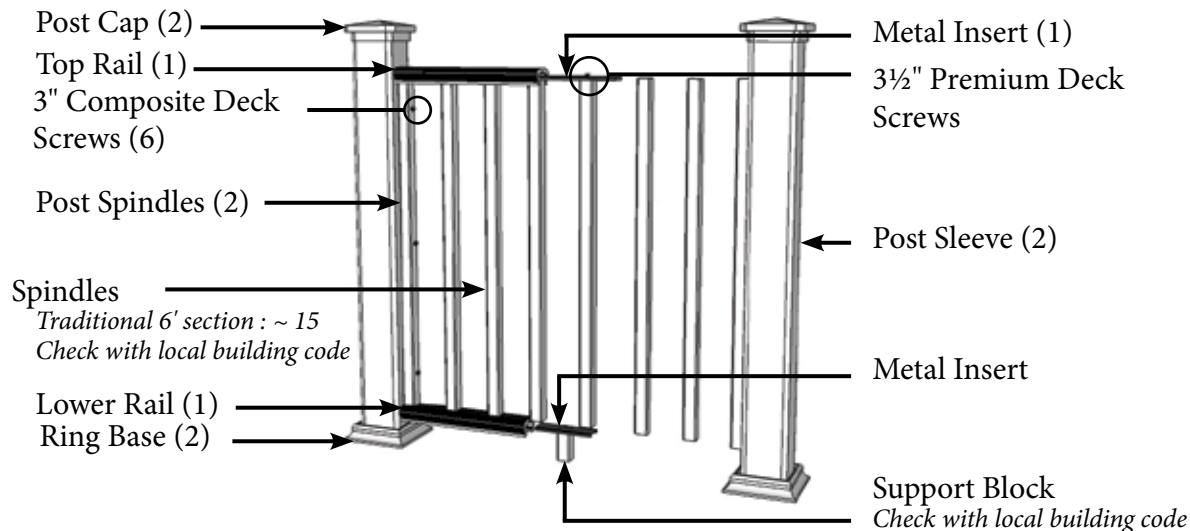
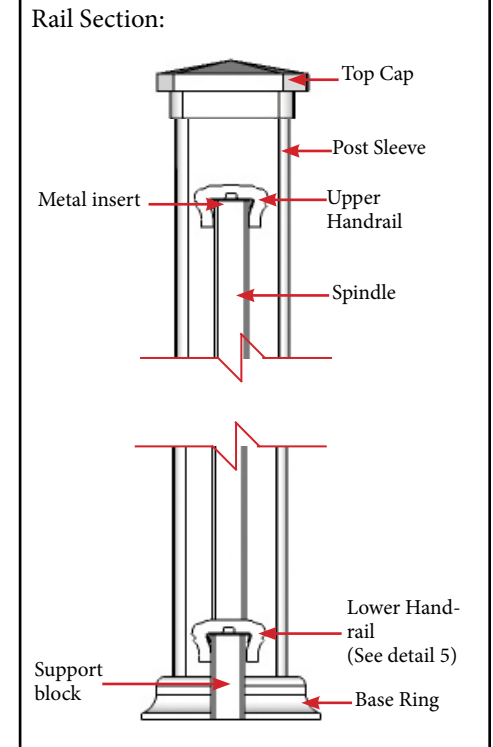
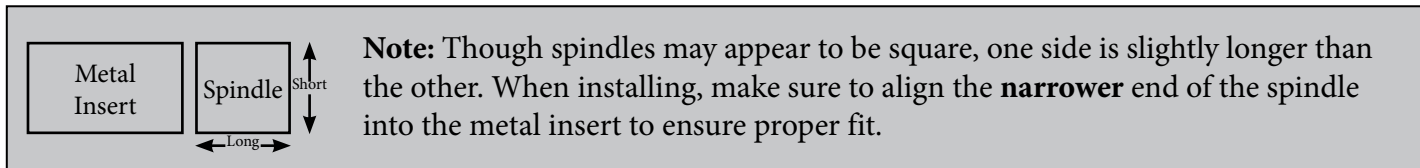
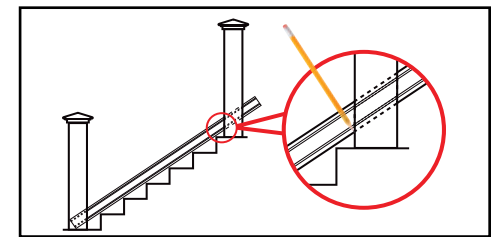
**Note:** It is very important to verify spindles are all the same length. Measure and cut accordingly.

This method requires pre-drilling of the metal insert, and the top and lower rail profiles are identical.

## Spindle & Handrail Preparation for Stair Rails:

- 1 Inserts, railings, and top caps can be marked for cutting by laying the components on the stairs and marking the angle and length using the installed post as a reference.
- 2 On the lines that you marked, trim all pieces to the same angle. This angle will also be used to cut the spindles.
- 3 Once railing and spindles are cut to necessary angle and length, follow the appropriate railing instructions (listed below).

**Note:** It is very important to verify spindles are all the same length. Measure and cut accordingly.



# Rustic™ Handrail Installation:

- 1 Starting with the post spindle, set even with the end of the insert, continue down the top rail, evenly spacing spindles, making sure to meet local building code for spacing. Keep in mind an additional post spindle is placed even with the opposite end of the insert. Pre-drill holes on the metal insert with a ¼" drill bit, aligning the center of the spindles to the center of the metal handrail insert.
- 2 On each end of the spindles, pre-drill the center, using a ⅛" drill bit to avoid splitting. The two post spindles will need to be pre-drilled to attach the completed rail to the post sleeves. Using a ⅛" drill bit, drill three holes at a 60° angle in the spindle, spacing them 3½" from the top and bottom, and one on center.
- 3 All rail spans over 3' require a spindle support block centered under the lower rail assembly. Check with local building codes and cut the support block to the required height from UltraDeck® spindles.
- 4 Taking the metal insert, begin to slide the spindles into place, aligning the pre-drilled holes. Starting with the center spindle, attach metal insert and spindles using 3½" premium deck screws. Attach post spindles flush on the two ends of the assembly. Remember spindles must be centered to ensure ease of assembly when attaching the top rail. Do not use composite deck screws.
- 5 Position the lower rail so the spindles will rest on the top side of the rail. Secure the spindles to the rail from the underside using quality 3½" premium deck screws. Do not use composite deck screws. Screws should be snug; do not over tighten.
- 6 Slide the top rail onto the metal insert with attached spindles. This is intended to be a tight fit; please use soap as a lubricant if needed.
- 7 To install the support block, take the trimmed piece of metal insert, slide the support block into the profile of the insert, and secure with a premium deck screw. Slide the insert to the center of the lower rail.
- 8 Position the rail assembly between the post sleeves, following local building code height requirements. Secure the post spindles to the post sleeves using six 3" composite deck screws through the pre-drilled holes.
- 9 Align the post caps with the top of the post sleeve and slide into place. A silicone adhesive may be used to secure the cap.

**Note:** Make sure screw is centered. If screw head falls out of groove, sliding on the rail may be difficult.

