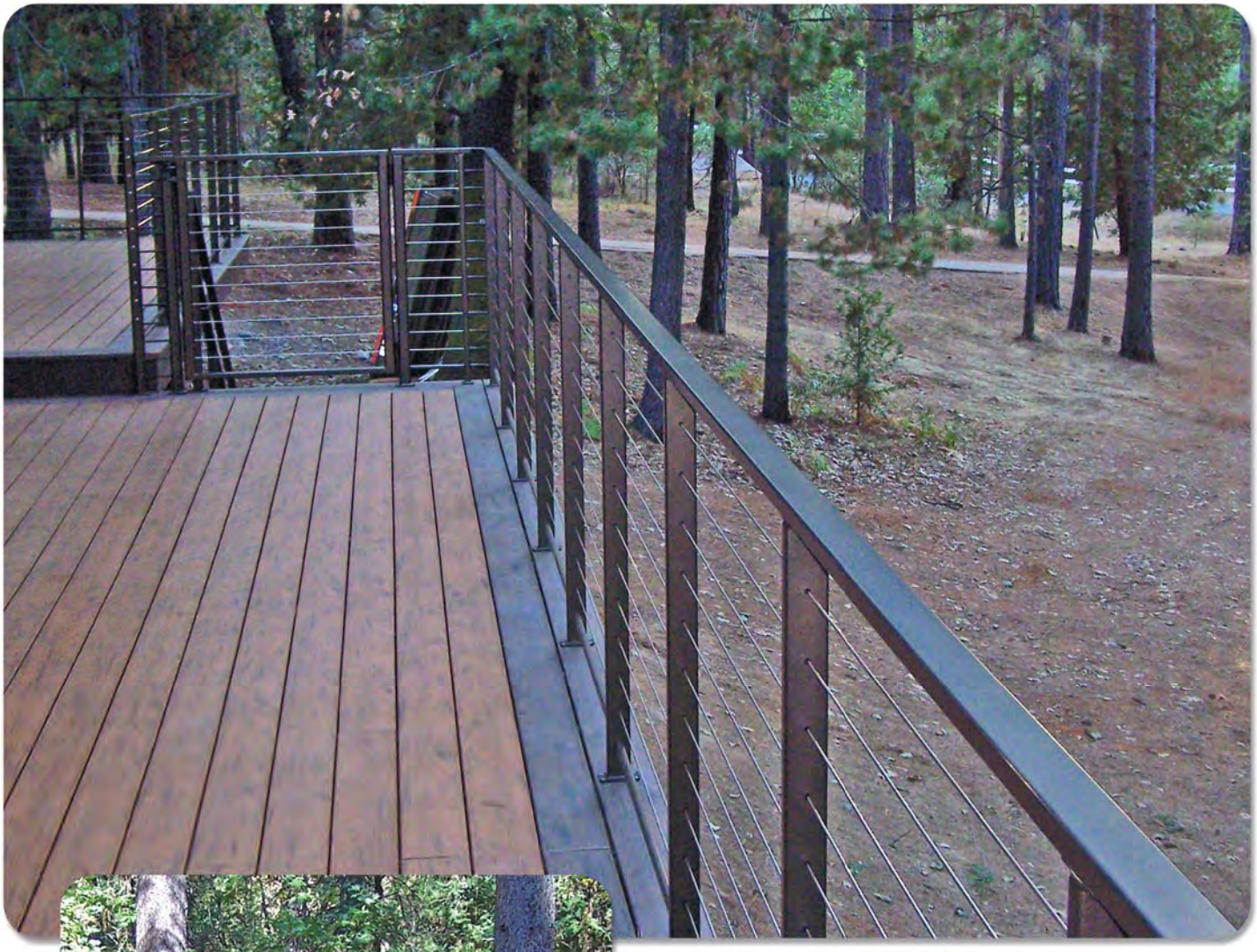
PCR Paramount™
CABLE RAILING SYSTEMS



Handrail Installation

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Handrail Installation

Figure 1: Separate posts, fasteners, and hardware. Check against component list provided with your order.

Before you begin

Use care when using sharp tools to open package. Unwrap package and separate all components (Figure 1).

Check to assure all components are included, report any missing items immediately.

Separate all posts and fasteners.

Included in your package will be components from Ultra-tec® and an instruction manual for installing the Ultra-tec hardware.

You will need

You will need the following tools and supplies to install your cable railing:

Allen wrenches: 3/16", 5/32", 1/8"

Bottom-mount screws for posts:
Stainless steel, flat head
#14 x 2-1/2" or 3" for end posts
#14 x 1-1/2-2" for intermediate posts
Note: use of galvanized fasteners is not recommended.

Chalk/snap line

Drop cloth to protect deck surface

Level

Masking tape

Power drill

Tape measure

Lay out the components

Use the drawings supplied to lay out the railing (Figure 2). Each post is numbered and the drawings indicate the position of each post.

Figure 2: Drawings of the layout are provided.

For top-mounted posts, use a snap line to produce a straight line for railing (Figure 3). Mark all post centers using a pencil or a marker on masking tape so that your deck is not permanently marred.

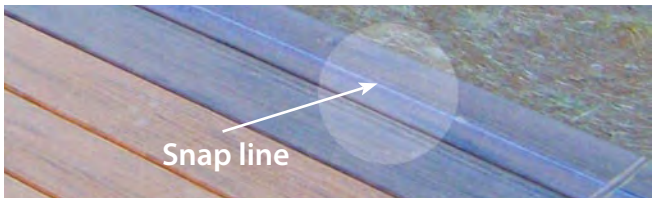

Figure 3: Snap a chalk line for the railing.

Lay out posts and top rail according to plan. Locate post cap rail screw (Figure 4) and tube-lok splice connectors (Figure 5).

Note: Use the protective foam wrap to minimize abrasions on railing components and to avoid marring your deck surface.

Figure 4: Locate cap rail screws.

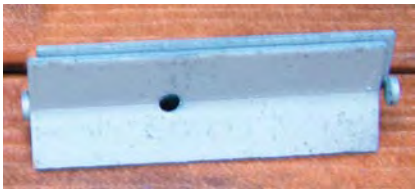

Figure 5: Locate the tube-lok splice connectors

Assemble rails

Assemble the splice connector into the top rail with the 3/8" hole (Figure 6).

Install the Allen set screw loosely into the splice connector.

Assemble the top rails together with the splice connectors (Figure 7).

Note: All pre-drilled post attachment holes must be on the same side.

Tighten set screws until rail halves are tight and do not flex.

Figure 6: Assemble the splice connector into the top rail.

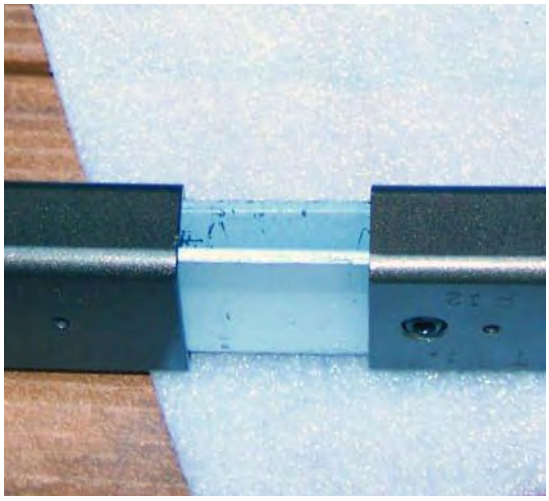

Figure 7: Put the top rails together with the splice connectors.

Attach posts

Attach posts to top rail using screws supplied (10 x 24) (Figure 8).

Figure 8: Attach posts to top rails.

Install the lower spreader bar if your railing system includes this option (Figure 9).
It may be necessary to loosen the rail cap mounting screws.

Note: Tighten all screws when finished.

Figure 9: Install the spreader bar.

Position railing on deck

The railing is ready to stand up and place over chalk line (Figure 10).

Figure 10: All posts are connect to top rails, spreader bar is installed.
Your railing is ready to bring upright.

Figure 11

Once the railing is upright, check each end according to previously marked lay out (Figure 11).

Holding the rail in position, move each post and center over chalk line (Figure 12).

Figure 12

Mark each hole through the mounting pad (Figure 13).

Move the railing off the chalk line. Pre-drill all mounting holes using a drill bit approximately half of the diameter of the fastener (Figure 14).

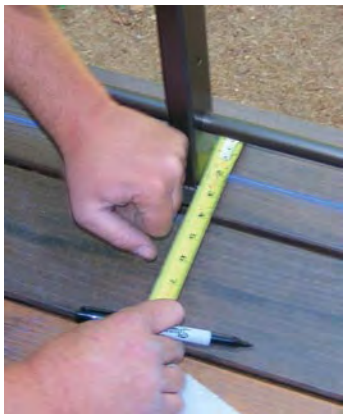

Figure 13

Figure 14

Attach railing to deck

Place the railing back over the chalk line and attach with fasteners (Figure 15).

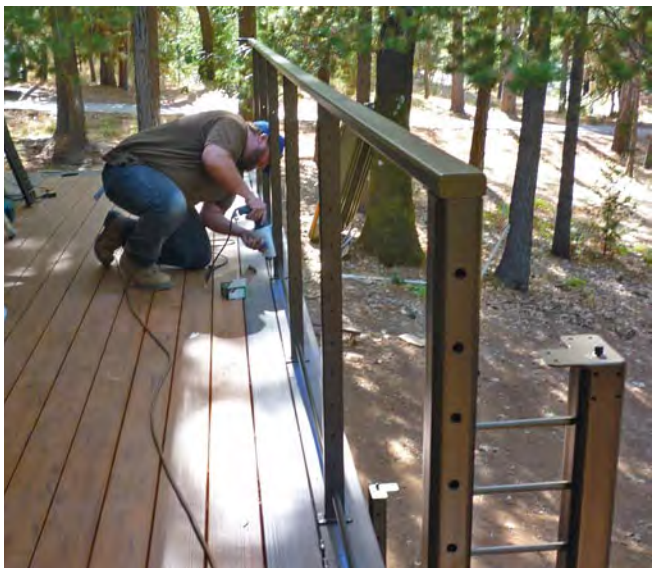

Figure 15

Level the railing

Use shims or small washers under post pads to bring railing into plumb and level (Figure 16).

Figure 16: Use shims or washers under post pads to level the railing.

Install grommets

Grommets are provided to provide a barrier between the cable and the surface of the posts through which the cable is drawn when being installed (Figure 17).

Install the grommets in the pre-drilled holes in the posts. One side of the grommets is slightly smaller then the other side. Using the tool provided, install with smaller side into posts (Figure 18).

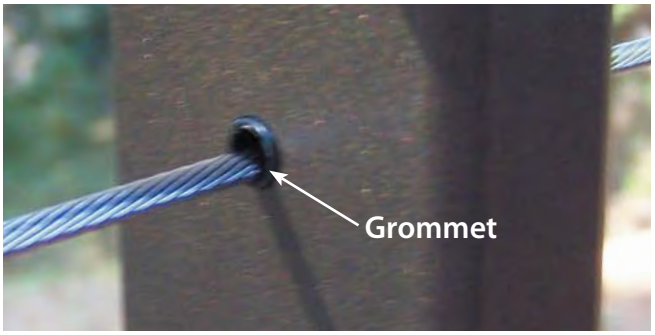

Figure 17: Grommets protect the cable and post.

Figure 18: Grommet installation tool and grommet.

Tighten screws

Tighten all screws and mounting fasteners (Figure 19) BEFORE installing cable.

Figure 19: Tighten all screws and fasteners.

Figure 20: Uncoil the cable.

Uncoil the cable

Using care, uncoil, stretch out, and untangle all cables (Figure 20).

String the cable

If your application uses a pre-swaged threaded stud on one end for the cables, screw the cable into the tapped end post (Figure 21).

If an Ultra-tec® Invisiware® receiver is used, attach cables to these.

String cables through posts and grommets (Figure 22).

Note: USE CARE not to snag cable strands on the inside of the post or grommet.

Install the remaining Ultra-tec® hardware, using the instruction guides provided for each procedure.

Congratulations!

Enjoy the view!

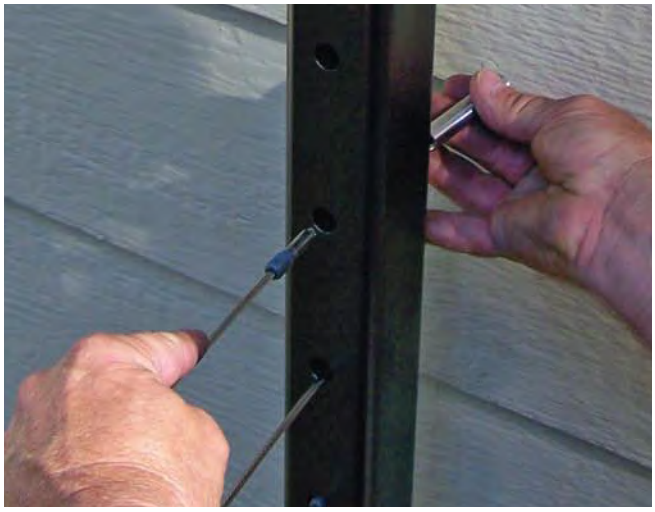

Figure 21: If your cable is pre-swaged, screw it into the tapped end post.

Figure 22: String cable through posts.

Finished railing!

Paramount Iron & Handrail, inc.

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