



LEVEL RAIL INSTRUCTIONS

NOTE: Check with your local building code office for design load requirements for guard rails and bottom space requirements. All supporting structures should be built in accordance with applicable building codes.

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FOR HOME, FOR LIFE™**

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TITAN
PRO RAIL

1.

Determine desired rail placement and snap a line to ensure all posts are aligned properly (Fig. 1). Make sure sufficient mounting structure exists in areas to receive posts. On wood framed installations, install blocking where necessary. Secure all posts in place and check for plumb (Figs. 2, 3, 4, 5).

*NOTE: Post kits include shims, mounting hardware sold separately.**

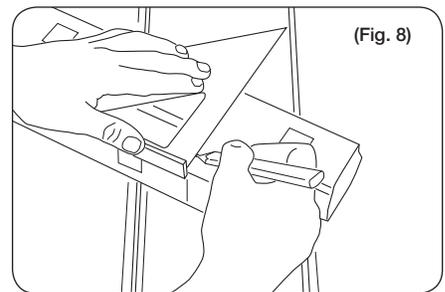
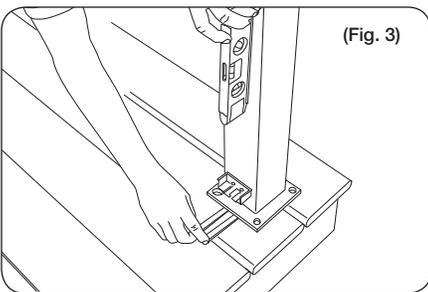
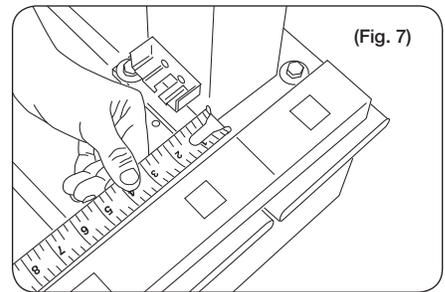
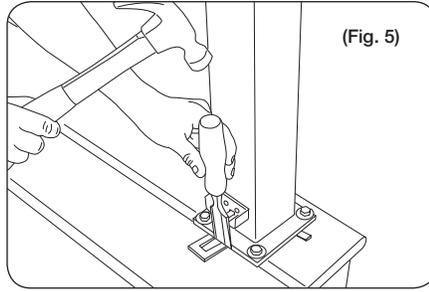
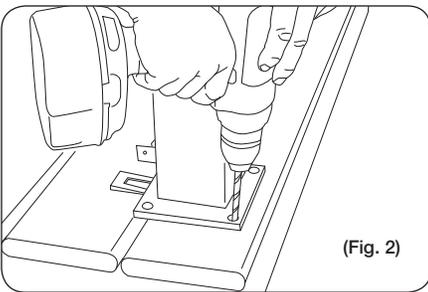
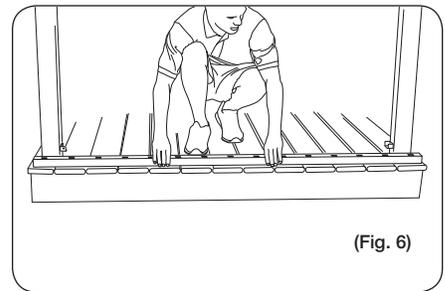
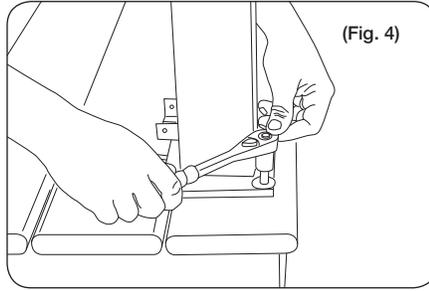
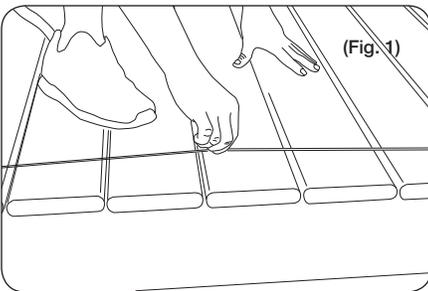
Tip:

Post flanges are drilled to accept four 3/8" diameter fasteners. Use the appropriate type of fastener for your installation to insure post attachment meets the required loads. Check local building codes for load requirements.

2.

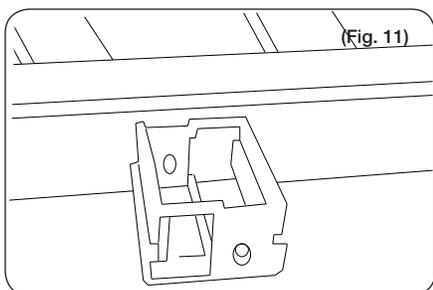
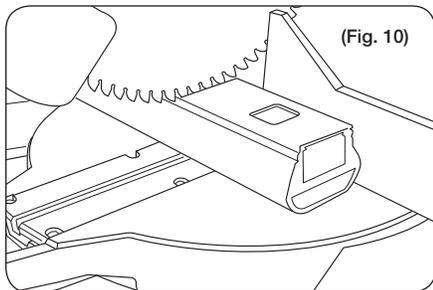
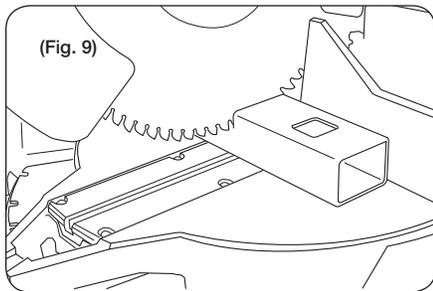
Place bottom rail across the opening ensuring equal baluster spacing on each end (Fig. 6). Mark each end 1/4" from post face to allow for bracket thickness and expansion (Figs. 7, 8).

Transfer these marks to the top rail and cut (Figs. 9, 10).



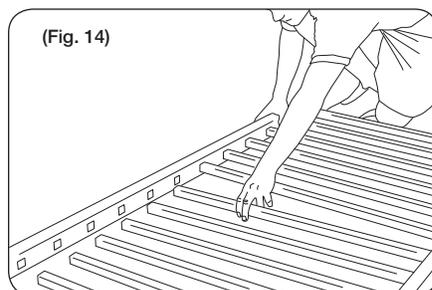
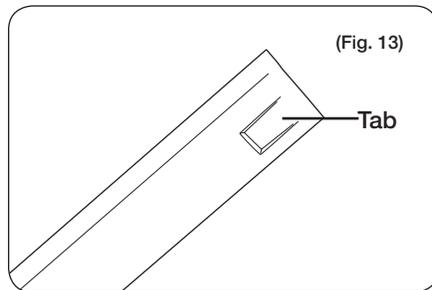
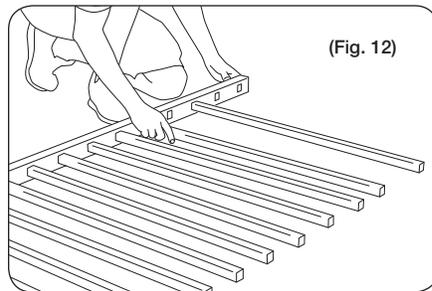
3.

Locate and mark the center point on the underside (unrouted side) of the bottom rail. Attach the rail support to the bottom rail as shown below (Fig. 11) using the supplied hardware.



4.

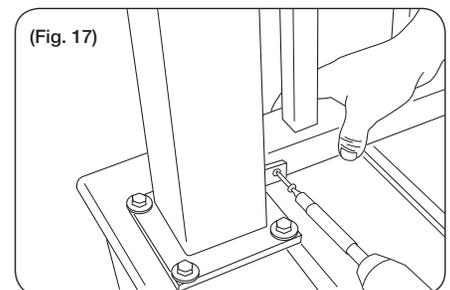
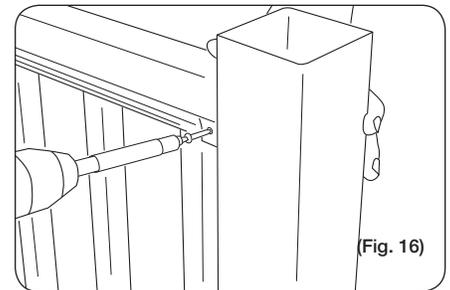
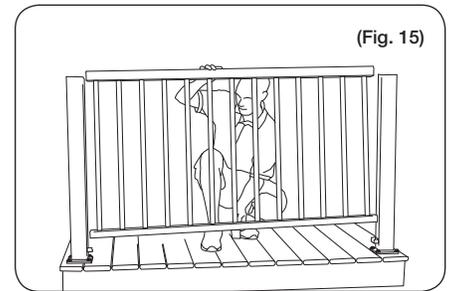
Lay the bottom lineal on a clean, non-abrasive surface (Fig. 12). Orienting the tabs (Fig. 13) to engage the aluminum stiffeners, insert a crimped baluster into the second routed hole from each end. Distribute the remaining crimped balusters evenly throughout the section. Then connect the top lineal (Fig. 14).



5.

Hang assembled section between posts on installed brackets (Fig. 15) and secure top and bottom lineals using 2 supplied set screws in each bracket (Figs. 16, 17).

NOTE: Mounting brackets are supplied pre-mounted to all posts for level railing installations. Stair mounting brackets are sold separately. Check post box contents for details.



6.

Install the bracket covers as shown in Figures 18 and 19. Install the 2 piece trim ring shown in Figure 20. Then glue post cap in place (Fig. 21).

Attach the rail support to the deck surface and snap the cover in place (Fig. 22).

