

TOOLS

Tape Measure	#2 Square or Phillips Bit	Miter or Table Saw with thin kerf carbide blade
Speed Square	3/16" and 5/32" Drill Bits	
Power Drill		

SAFETY FIRST

Always wear protective eyewear when using power tools. Use a safety harness if the work site is at an elevated location. It is the installer's responsibility to make sure railings are assembled and installed according to these instructions.

1

Examine all parts for any damage in transit. Keep the protective film for as long as practical during the assembly. Examine Fig. 1 below noting the location of parts and dimensions. **READ ALL THE INSTRUCTIONS BEFORE STARTING!**

42"H

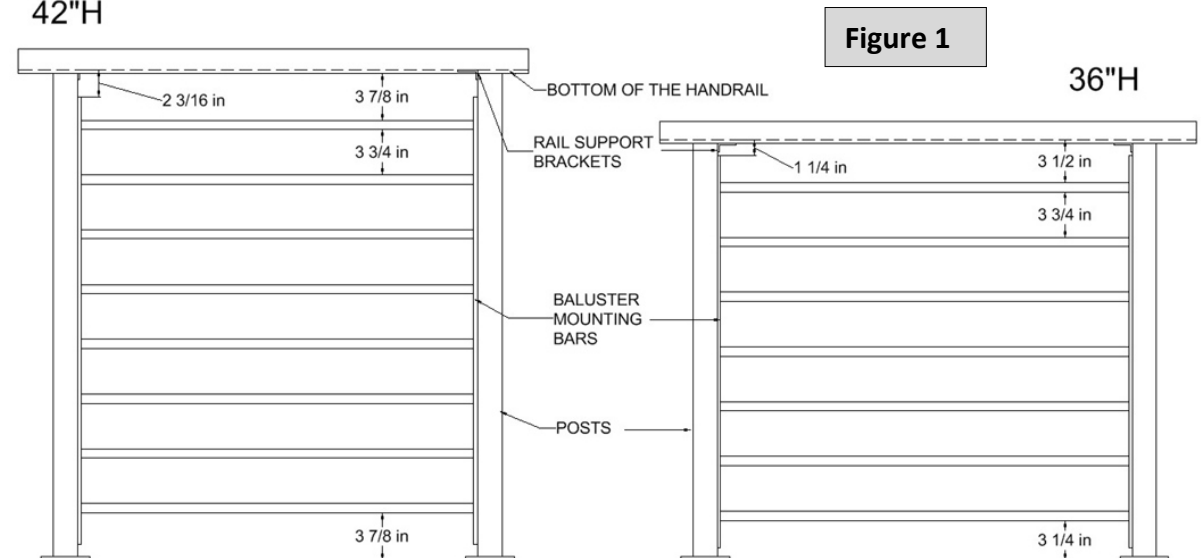


Figure 1

36"H

2

Determine and mark posts locations. Maximum spacing for uncut sections is 39-5/8" (on center). Measure accordingly for shorter sections. Trim posts if needed, the total lengths should be: **42"H**: Deck post: 40 1/4"; Fascia post: 50 1/4". **36"H**: Deck post: 34 1/4"; Fascia post: 44 1/4". **DO NOT TRIM POSTS FOR STAIRS YET.**

3

ATTENTION! Posts must be attached to framing members. Install blocking for each post location, see <http://www.easyrailings.com/installation/>. Attach posts with appropriate stainless steel fasteners. Do not tighten fasteners yet. If your deck is built with ACQ lumber, a barrier between post surfaces and deck is needed.

Deck mount posts: The surface under post flanges must be flat. Holes in the flange can be drilled out for 1/4" fasteners if necessary. All fasteners must be attached perpendicular to the flange.

Fascia posts: Start with external corner posts if applicable, see corner brace assembly guide at the link above. Make sure posts are at the same height above the deck, with the bottom 10" part of the post below the deck level. Insert plastic plugs into the bottom ends of the posts. Make sure all posts are plumb.

4

Mark and drill pilot holes for Baluster Mounting Bars. Post location (line, corner, end) determines which sides to drill. Use one of the Mounting Bars as a template.

42"H: mark and drill 5 holes. The top of the bar should be at 2 3/16" from the top of the post.

36"H: mark and drill 4 holes. The top of the bar should be at 1 1/4" from the top of the post.

5

Mark and drill pilot holes for Handrail Support Brackets. Using a speed square mark a line 3/8" from the top of a post. On the line mark hole centers at 3/4" and 1-1/4" measured from a post side. Drill 2 pilot holes with a 5/32" drill bit, attach the Brackets using two provided #10 x 3/4" screws. The

- long side of the bracket should be flush with the top of the post.
- 6** Measure and record distance between posts. If necessary cut Horizontal Bars. Assemble infill sections. Drive #8x1" screws into screw chases in the baluster through pre-drilled holes in both Baluster Mounting Bars. Tip: For easier assembly put a bar on two supports, secure temporarily with clamps or screws. Insert all screws in the holes, drive screws in the channels. Do not over-tighten. Attach assembled infill sections to posts.
 - 8** Lay out, cut and assemble HR250 Top Rails. Cut longer rails first. Allow extra 2-4" for angle cuts. Start assembly at corners using appropriate connectors included in your order, see "*CONNECTORS FOR HR250 TOP RAILS*". For spans over 8' assemble rails using Splice Connectors, plan splices over posts.
 - 9** Fasten Top Rails to Support Brackets with ##10 x ¾" screws.
 - 10** Fasten Top Rail ends to structures using Wall Brackets or cover open ends with End Covers. For stair installation see "*STAIR SECTION ASSEMBLY E100-320*".