

TOOLS

Tape Measure
Speed Square
Power Drill

#2 Square or Phillips Bit
3/16" and 5/32" Drill Bits

Miter or Table Saw with thin kerf carbide blade
Metal Snips

SAFETY FIRST

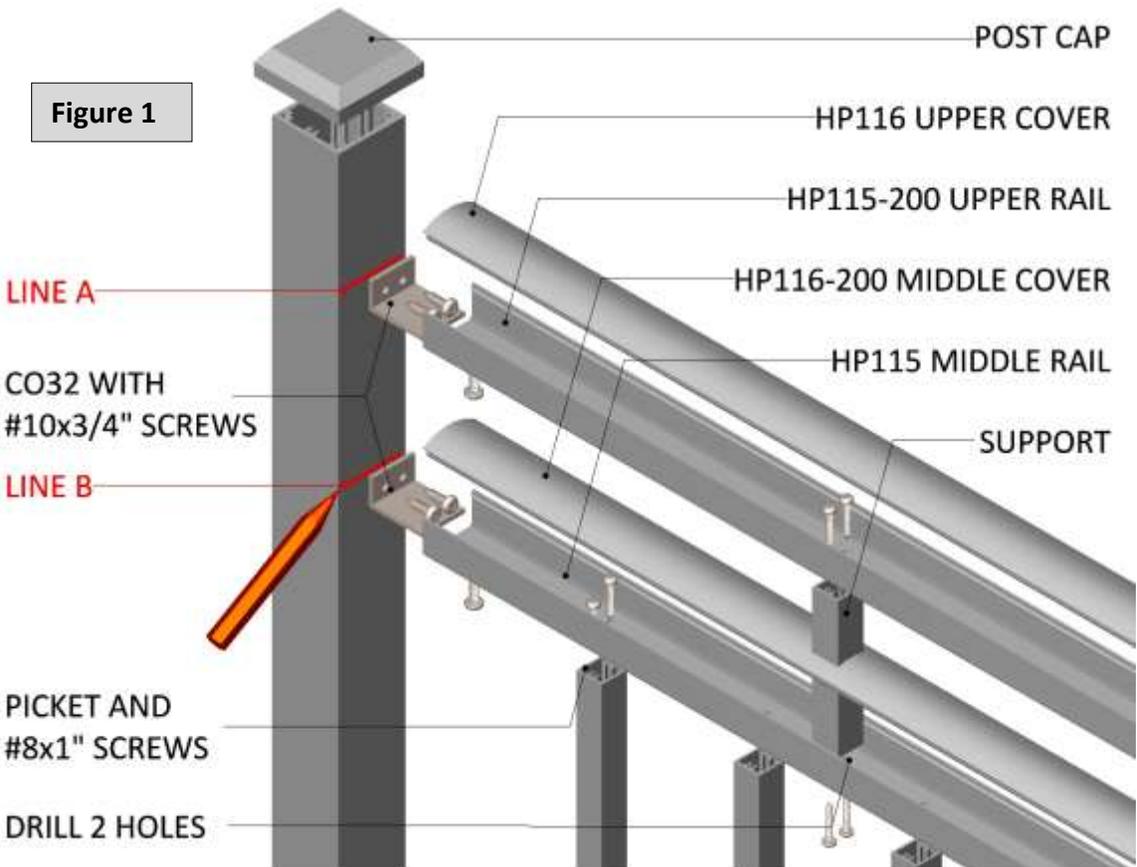
Always wear protective eyewear when using power tools. Use a safety harness if the work site is at an elevated location. It is the installer's responsibility to make sure railings are assembled and installed according to these instructions.

- 1** Examine all parts for any damage in transit. Keep the protective film for as long as practical during the assembly. **READ ALL THE INSTRUCTIONS BEFORE STARTING!**
- 2** Determine and mark posts locations. Maximum spacing for uncut sections is 6' (on center). Measure accordingly for shorter sections.
- 3** Mark and drill pilot holes for connector brackets. Post location (line, corner, end) determines which sides to drill. Measure from the top of the post and draw lines A, B and C:

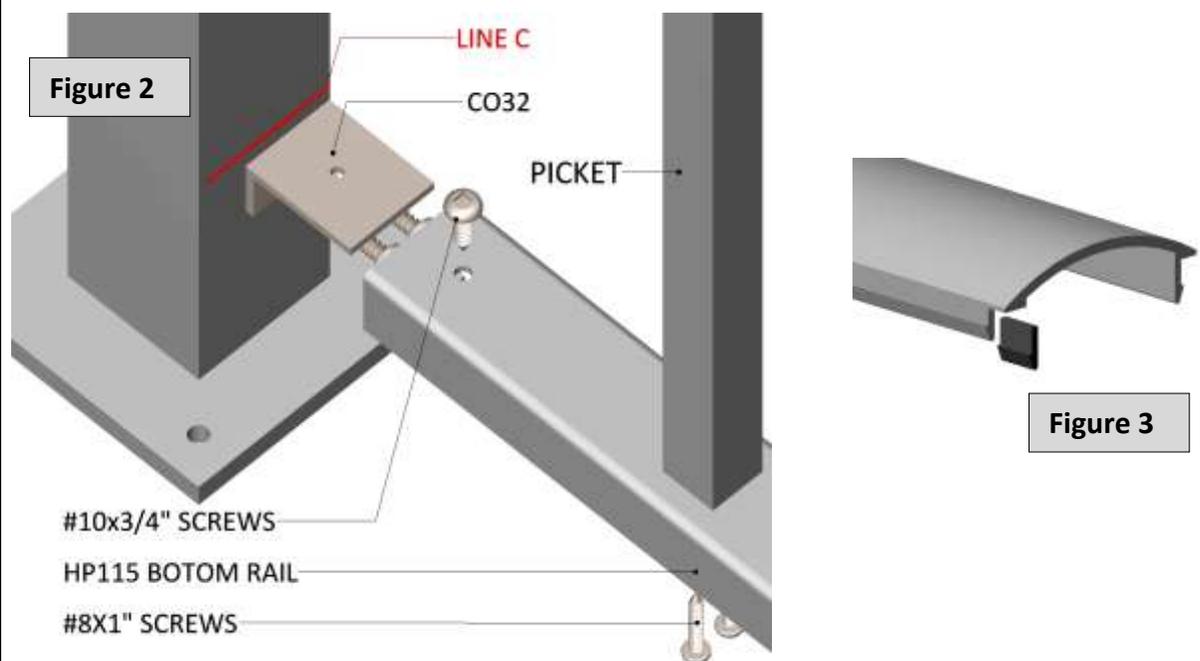
	36"H*	39"H**	42"H
A	1-5/32"	1-15/16"	2-3/4"
B	4-1/2"	5-25/32"	7-7/8"
C	36-7/16"	37-23/32"	39-13/16"
Supports	3-1/4"	3-3/4"	5"

* see separate Illustration
** with 40.25" deck /50.25" fascia posts

Using a speed square, mark hole centers at 3/4" and 1-1/4" measured from a post side. Drill pilot holes with a 5/32" drill bit. Tip: if you have many posts to drill make a drilling template.



- 4 **ATTENTION!** Posts must be attached to framing members. Install blocking for each post location, see 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. For more information on post installation.
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.
- 5 Carefully measure and record distance between posts. Cut rails if needed; leave 1-5/8" or more from each end to the nearest pair of predrilled holes. This can be accomplished by choosing the center of the rail either at a center picket or at a midway point between two pickets. For best results use a power saw with a thin kerf carbide blade. Drill connector holes on both ends of the HP115 rails. For additional help with cutting rails visit the link above.
- 6 Assemble baluster infill section. Drive #8x1" screws into screw chases in the baluster through predrilled holes in both HP115 rails. Tip: For easier assembly put a rail on two supports, secure temporarily with clamps or screws. Insert all screws in the holes, drive screws in the channels. Do not over-tighten. Lay the rail with baluster on a side, attach the other rail.



- 7 Attach assembled picket sections to posts: fasten bottom CO32 brackets to opposing posts with #10 screws. Set the section on the bottom brackets; attach top CO32 brackets to the posts with #10 screws. Secure middle and bottom HP115 rails to the CO32 brackets with #10 screws.
- 8 Use HP115-200 as a template to mark and drill matching holes in the HP115 middle rails. Attach Supports to HP115 middle rails with #8 screws. On HP116 and HP116-200 covers snip off about 1/4" of the connecting rail as shown on Figure 3. Place HP116-200 covers on the HP115 middle rails, and attach HP115-200 top rails to Supports with #8 screws.
- 9 Fasten top CO32 brackets to posts and to HP115-200 top rails. Remove the remaining protective wrap, check and tighten all connections. Snap Place HP116 and HP116-200 covers firmly into place. Place post caps on the posts. Put a piece of soft lumber on a cap and tap gently to set the cap on the post. For stair installation see "STAIR SECTION ASSEMBLY E100-320".