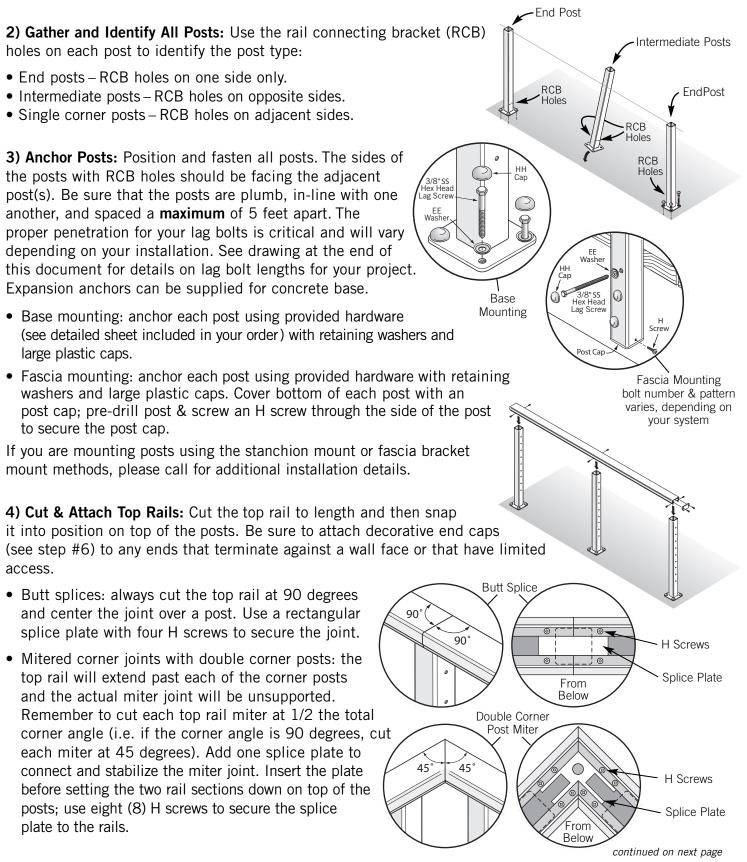
AF#2010-309B

FSİGN·

Picket Systems

1) Check Contents Of Packages: Verify that all parts have arrived and that they match the packing list.



H Screws

Splice

Plate

End Cap

Butt

Splice

↓#10 P≏

RCBs

Pan Heac

Single Corner Post Miter

45

Typical

Post

45

Mitered corner joints with single corner post: cut each top rail miter at 1/2 the total corner angle (i.e. if the corner angle is 90 degrees, cut each miter at 45 degrees) Center the joint over the corner post. Add one splice plate to connect and stabilize the miter joint. Insert the plate before setting the two rail sections down of top of the post; use eight (8) H screws to secure the splice plate to the rails. Also, on each side of the miter cut, screw an H screw through the top rail flange and into the post face.

5) Fasten Top Rails: Secure the top rail to each post using two H screws (one each side); Butt splices require four screws (two each side). Screws should run through the top rail flange and into the post face.

For Picket Installation Instructions

5A) Cut & Attach Wood/Composite Cap Rails (for Series-400 Top Rails only): Cut the wood or composite cap rails to fit the top rails (cap rails supplied by customer). Drill holes through the top rail and use #10 Pan Head Wood Screws (screws supplied by customer) to securely attach the cap rail to the top rail. Position screws no more than 16" apart and select a screw length that will provide a minimum 5/8" penetration into the top rail. A wood or composite cap rail <u>must</u> be used with the Low-Profile Top Rail (Series-400) *top rail* to achieve the necessary frame strength.

6) Attach Decorative End Caps: Attach the decorative end caps to all of the exposed top rail ends using two A screws. This applies to 200, 300, and 350 Top Rail options.

7) Attach RCBs: Locate the rail connecting bracket (RCB) holes on each post (these are pre-drilled except on stair rail posts where all the holes must be drilled in the field). Attach the RCBs to the posts using 2 K screws (outside holes) and 1 M screw (center position). Pre-drill the M screw hole for the center position after installing the K screws. The RCBs should be mounted wings down.

8) Measure Bottom Rails & Top Rail Insert: Measure between each set of posts just above the RCBs for the bottom rail length and just below the top rail for top infill channel length. Record these measurements for each infill section.

9) Cut Bottom Rails & Top Rail Insert: For aluminum picket systems the bottom rails and top infill channels come with picket screw holes predrilled. Note that it is neccesary to cut both the bottom rails and top rail insert so that when they are installed their **holes line up vertically** and the final array of pickets is **centered evenly between posts**. Additionally note that each picket has a builtin screw chase hole which is located on the inside edge of each picket, **not the center** of the picket (see diagram). Therefore, when installed, the pickets will not be centered over each hole but instead will be offset to one side by 1/4". Be sure to allow for this offset when planning your bottom rail and top rail insert cuts. Remembering the above notes, cut the top rail insert for each section no more than 1/16" shorter than your corresponding measurements from step 8.

Offset 1/4" hole

