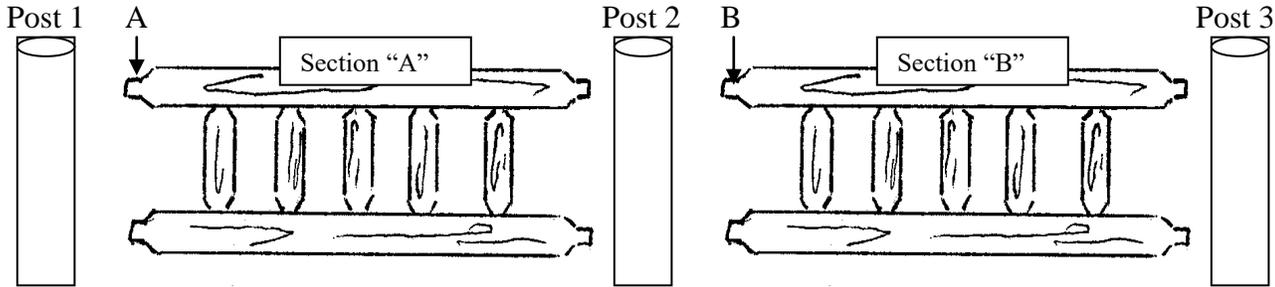


Posts & Rails Assembly Instructions.

Read all instructions before assembly.

Do Not Remove Bands from Rails until All Assembly is complete.

All your hand railings install by inserting the rail sections marked as follows:



The rail sections are marked on the tenon of the top rail (A, B, C etc.). This letter identifies the section. Notched posts are marked on the notch. Support posts and un-notched posts are marked on the bottom. It is important to follow the numbered posts with corresponding rail sections to insure proper fit as the posts vary in diameter and have been designated for the corresponding rail section only.

Whenever possible dry fit posts and rail sections from corner to corner being sure all adjustments have been made before bolting posts to rim joist. Be sure all posts are plumb before marking for any drilling or notching.

Tenon Rail - Match rail sections with corresponding posts. Example: Section "A" inserts into post 1. Section "B" inserts into post 2 etc.

Dry fit rails with posts. Be sure posts are plumb. With rail sections in place (between posts) bolt posts in place. Remove strapping from rail section.

Square Cut Rails – Follow the diagram for posts and rail length sections. Fit rails in between post, trimming if necessary. Use 3 ½" screws to secure rails to posts.

Stair and Ramp Instructions-

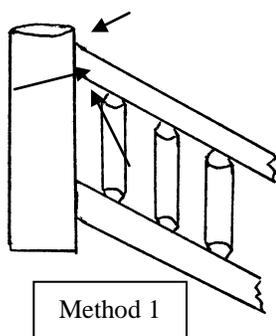
Because the bands are snug tight, the stair rail angle may be compressed. It may be necessary to remove bands prior to assembly to position the spindles and rails at the proper angle. In this case use rope or bungee cords to hold the rails together again. It is recommended you screw the rail/tenon into the post with 3 ½" screws, and the spindles into the rail with 2 ½" screws.

For Drilled and Tenoned Rails: Position and plumb the top stair post in the proper placement on your tread or deck, and bolt post securely. Angled rails will generally be at a different height than straight rails. Insert stair rails into top post, and snug middle and/or bottom post into rails. Bolt post permanently to treads or stringer.

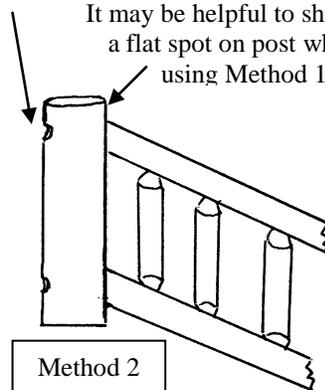
For Over Length Ends: Hold the railing section next to the installed stair posts and mark each rail end for trimming. During this process be sure the spindles remain plumb.

Commonly used methods for attaching rail sections to posts:

Screw from top & bottom
or from sides of rail into post.



Bolt from back of post into rail.
It may be helpful to shave
a flat spot on post when
using Method 1 or 2.



Bolt through rail into post.

