

Country Estate Railing Installation Guide



Country Estate Railings are fabricated with the highest quality Railing products available and will provide you with many years of comfort and security. Please study your local ordinances and regulations to ensure the installation of our products will conform to all local building codes, including your mounting surfaces. Pre-plan a "layout" of your installation, collect all necessary installation tools, check all material to ensure you have accounted for the proper sections and read these instructions prior to actually beginning your work. Determine if you will need to "cut down" any sections so they will fit between mounting surfaces. A "symmetrical layout" is most pleasing to the eye. It is usually advisable to cut small amounts of the horizontal from both ends of a section, rather than cutting the total amount from only one end, so you will keep the end picket spacing equal.

Country Estate Single and Multi Family style of Railing, as well as the T-Rail or 2 x 3 1/2" Railing, will all be installed using the following instructions. You will need to make yourself knowledgeable regarding what components and what building code requirements are applicable with each style of Railing, as they do have different requirements.

Tools Needed

Measuring tape	Utility knife	Marking pencil	Miter type Saw
Drill	Square	Level	
Square drive bit	Drill bit for pre-drilling holes		

Step 1. Measure the proper height for the top and bottom Rail Mounting Brackets and mark hole locations for both the top and bottom metal mounting plates on your mounting surface, ensuring the proper top horizontal height and bottom horizontal clearance from the mounting surface. *NOTE: the top of the metal mounting plate is 5/8" from where the finished rail height will be.*



Step 1



Step 1

Step 2. Pre-drill holes for the six, 2" , square drive, attaching screws in each metal mounting plate.



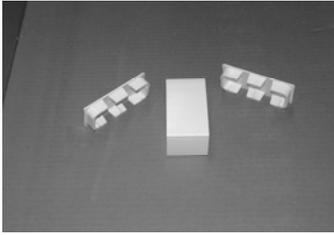
Step 2



Step 3

Step 3. Insert the screws through the metal mounting plates and secure the four mounting plates to your mounting surface. (use the 2" screws included in the kit to secure the mounting plate.

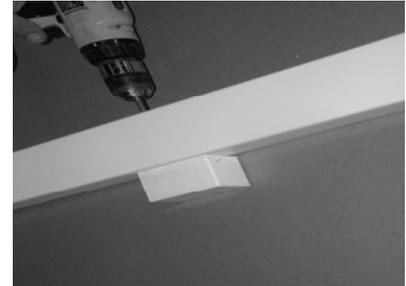
Step 4. Measure the distance between the inside edges of the mounting plates. 1/8" less than this dimension is desired. Mark your top and horizontal rails for trimming. (remove any metal inserts prior to cutting the Vinyl to the proper length). The metal inserts should be cut separately (to the same length) to avoid metal shavings from scratching any exposed vinyl surfaces.



Step 5

Step 5. Install the "footer" (if needed) in the middle of a bottom rail. The footer is comprised of two end caps and a piece of 1 3/4 x 3 1/2 cut to the proper length to fit into the clearance beneath the bottom rail with two end caps glued in place.

The footer is secured to the bottom of the bottom rail in the center of the section, by screwing down through a picket hole into the cap. The middle piece of 1 3/4 x 3 1/2 needs to be cut to the proper dimension to ensure the proper clearance height prior to securing it to the bottom rail.



Step 5

Step 6. Locate the bottom vinyl rail and slip the previously trimmed metal insert into it (if applicable) taking care to ensure it is turned so the proper side (larger compartment) is "up". Slip the mounting bracket cover plates on the ends of the horizontal and set the bottom horizontal into the bottom mounting brackets.

Step 7. Locate the verticals for this section and insert them into the bottom rail.



Step 7

Step 8. Locate the top rail and re-insert the metal insert (taking care it is inserted with the proper compartment "down"). Slip the mounting bracket cover plates on each end of the top rail and place one end of the top horizontal into one top metal mounting plate. Proceed to lower the top rail, inserting one vertical at a time into the routed holes, until the top horizontal is setting in the metal mounting bracket on the other end of the section.



Step 8

Step 9. Pre-drill holes through the metal mounting plates into the horizontals, making sure you pass through the vinyl and any metal insert. Secure the horizontals in place by inserting the four remaining 1" screws through the metal mounting plates into the horizontals.



Step 9

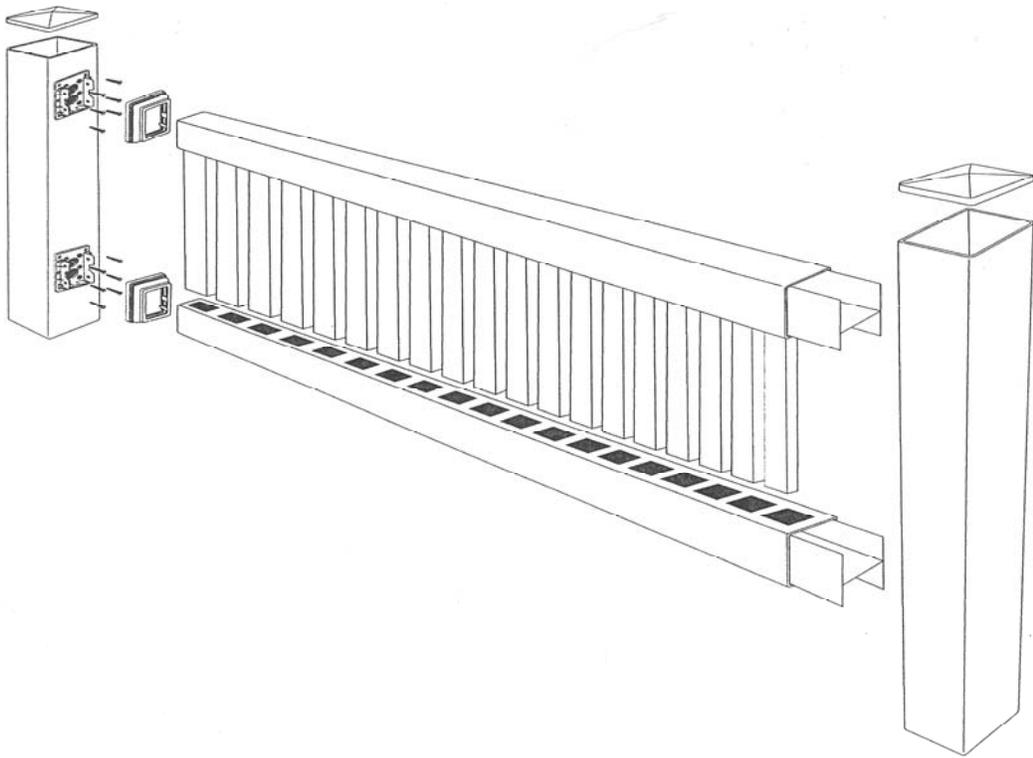


Step 10

Step 10 Snap the mounting plate covers in place. You may need to place a block of wood against the cover plate and tap on it to "Seat" the plate.

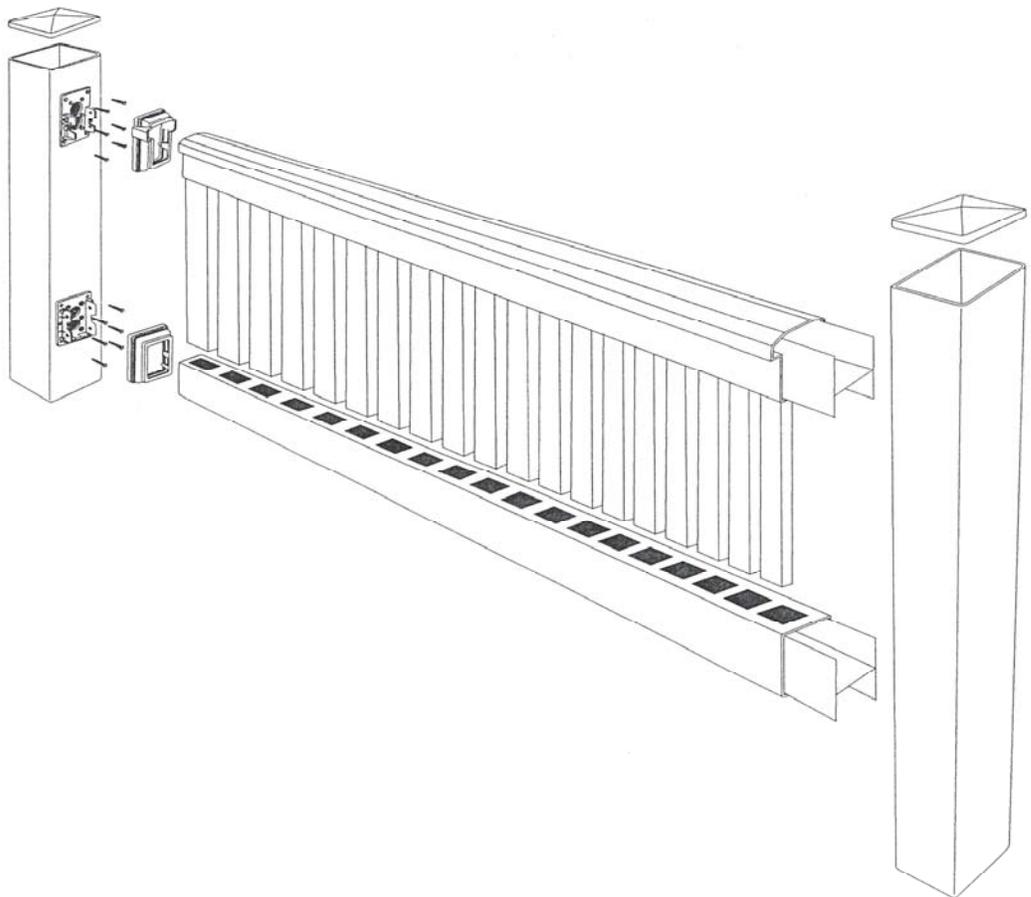
Proceed to next section

CERTIFIED 1" x 2"



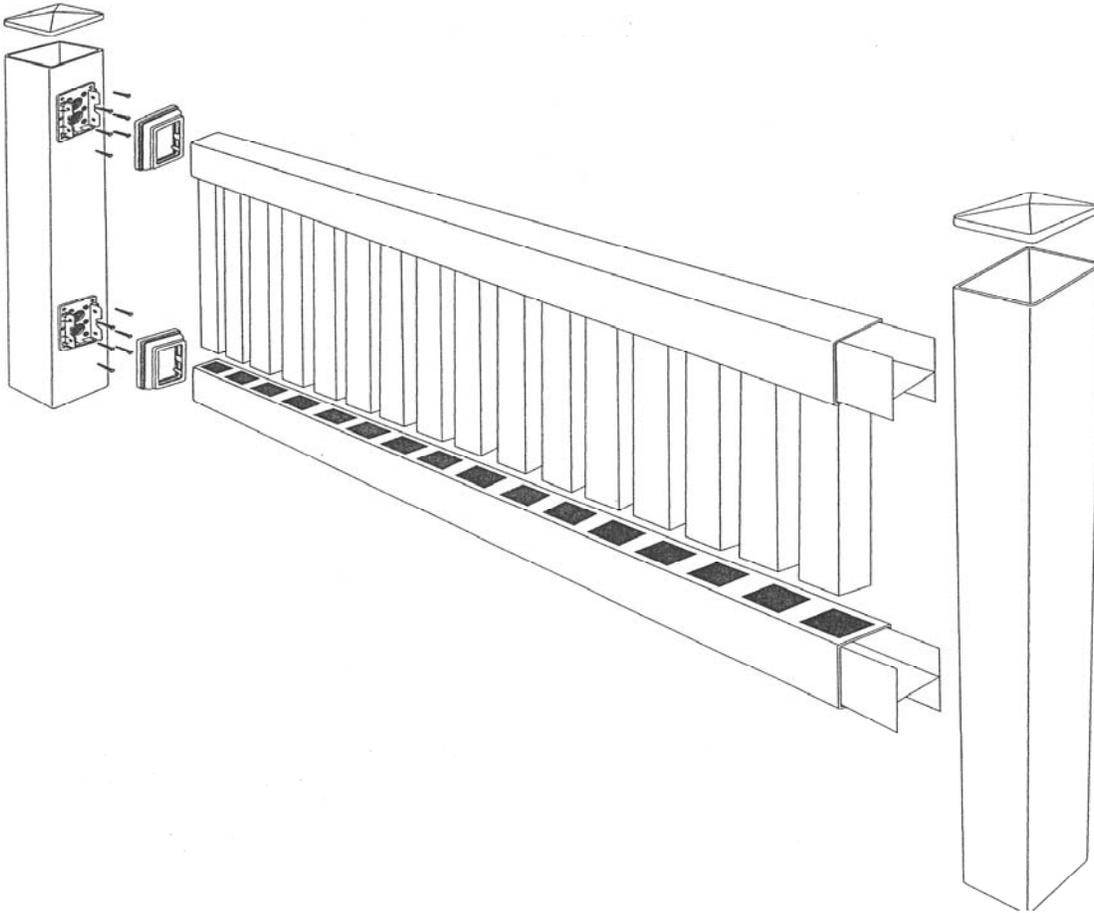
CEF Rail

CEF T-Rail



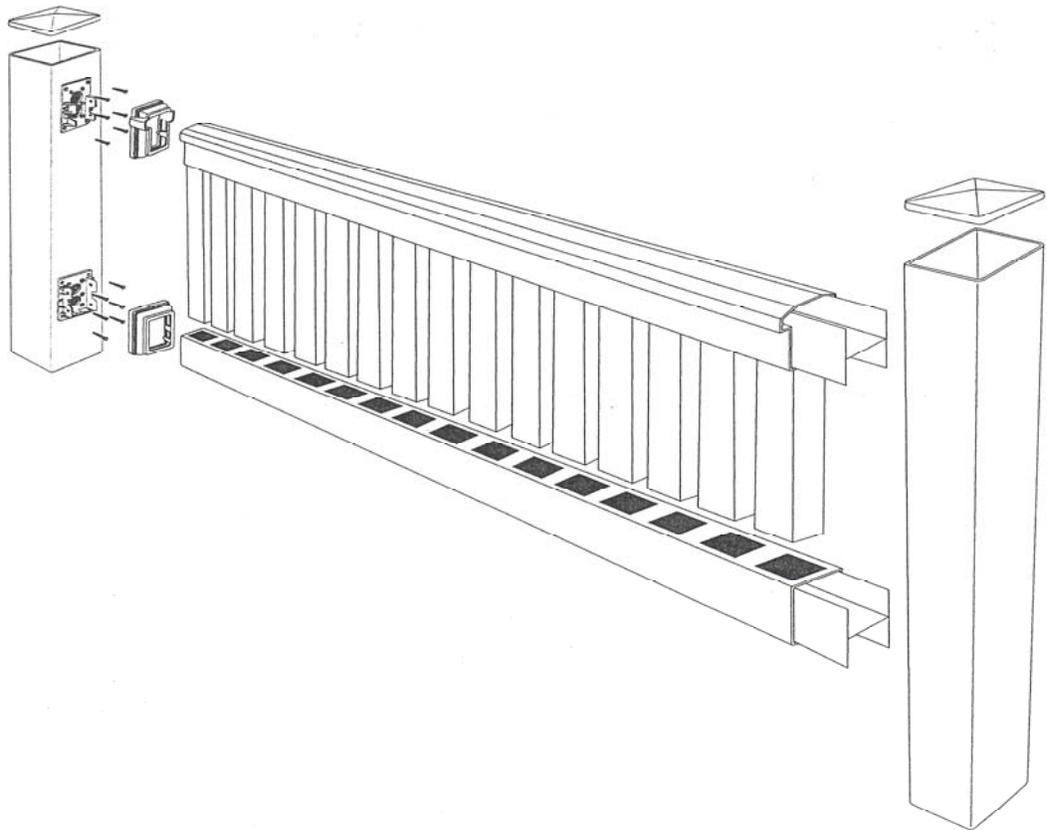
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1 1/2" x 1 1/2"



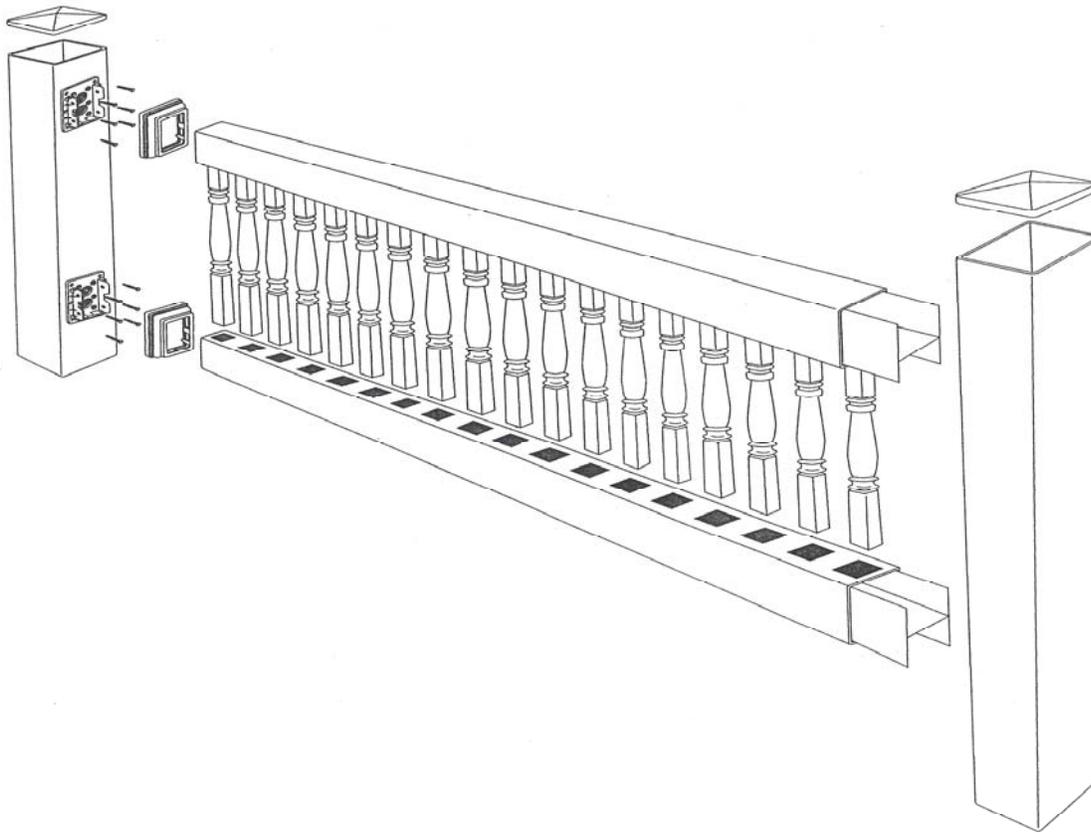
CEF Rail

CEF T-RAIL

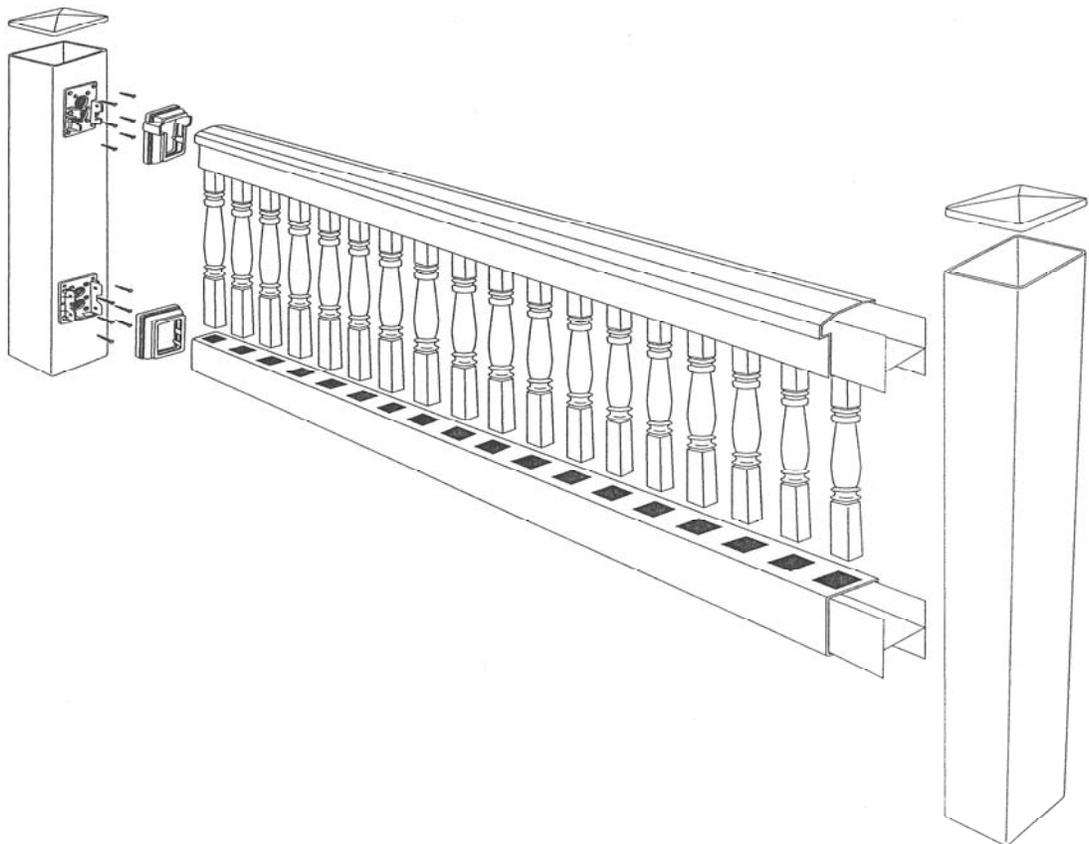


CERTIFIED

1 3/4" SPINDLE

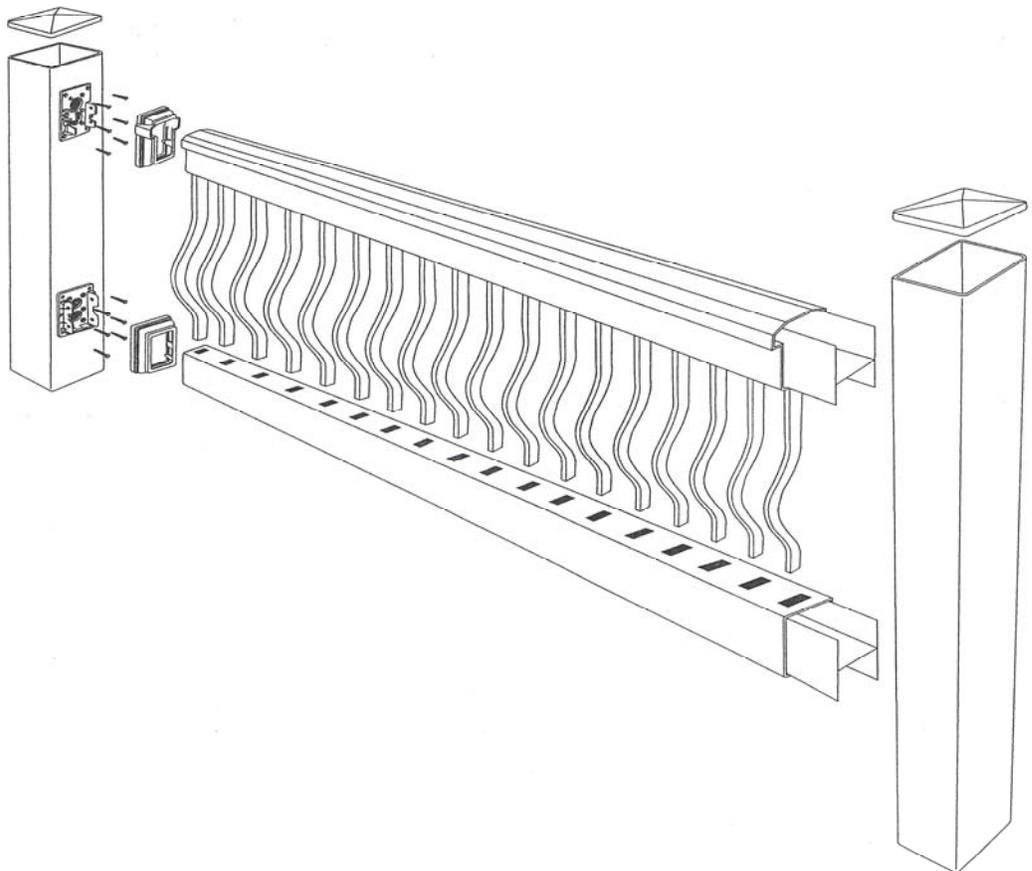
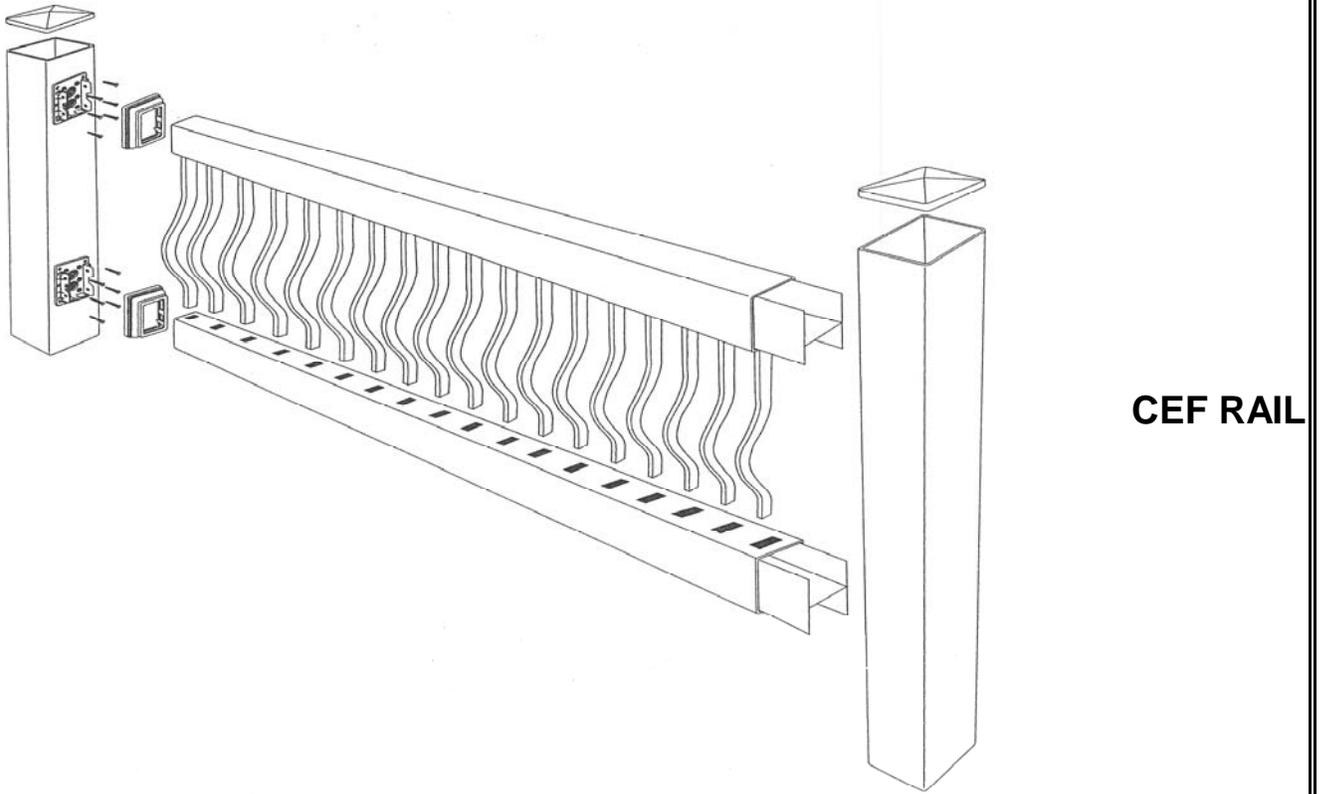


CEF Rail

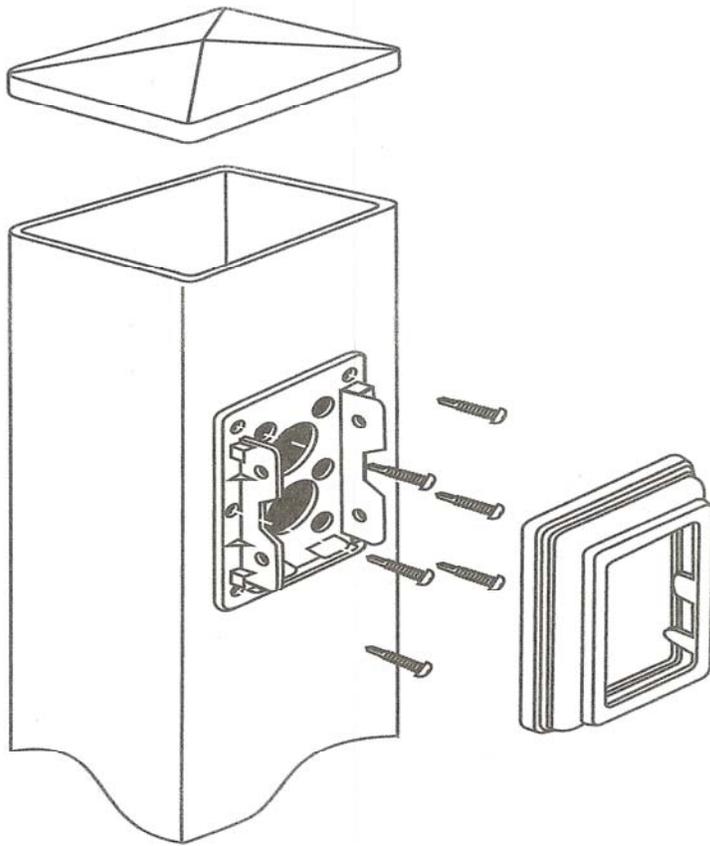


CEF T-Rail

NON-CERTIFIED TEARDROP



ATTACHMENT BRACKETS



CEF Rail

CEF T-Rail

