



## **SERIES 1500 – WELDED PICKET SYSTEM**

### **KEY POINTS**

- As a standard rule the outside of the post face (not the base plate) is positioned 1-3/4 inches in from the edge of the deck rail creating approximately 2-1/2” rail centerline from the deck edge. This measurement may require field adjustment due to variable installation methods due to field conditions.
- All posts requiring top sleeves with mounts (i.e. corner posts / center posts with top center sleeves etc.) require 1/8 of an inch to be cut off to maintain uniform rail height.
- Approximately 6’→8’ center to center post spans.  
**NOTE: Spans may vary due to application methods and site conditions.**
- Stair applications require taller points to be field cut to suit (40” post height is required on standard surface mount applications – to be field cut to suit).
- The required post mount to attach top of post to SERIES 1500 top rail is part # 58-010.
- Refer to **Railcraft**® product and sales catalogue estimating section for additional installation hints.
- Consult your **Railcraft**® representative if you should require additional assistance.



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### **WELDED PICKET DECK INSTALLATION**

- 1) The quickest and easiest recommended method of application of the SERIES 1500 welded picket system is to pre-fabricate full sections and erect into position.
- 2) Determine post type and placement within the welded picket sections. You may wish to calculate top rail splice locations and layout your post spacing accordingly.  
**NOTE: Standard welded picket sections are available in 15' and 22' lengths. Custom lengths are available upon request.**
- 3) Assemble corner posts, end posts and center posts (requiring center top sleeves with mounts.) **NOTE: Posts requiring top sleeves with mounts require 1/8" to be trimmed from top of posts prior to installing top sleeve with mount into the top of post.** This will insure uniform rail height. Install top sleeves into top of post and fasten to post using 2 - #8 x 3/4" TEK screws.
- 4) To install center posts in the welded system it will be necessary to cut out a section of bottom rail to allow for the post thickness and any tolerance required (ie. if bottom (wall) mounts are used or welds inside the bottom post sleeve). Typical post placement applications require removing one 5/8 x 5/8 picket from the panel. Leaving a opening on both sides of 1-5/8" post of approximate 3-3/8".
- 5) Install post mounts (Part # 58-010) using #8 x 3/4" TEK screws to the top of center posts and into the cavity under the top rail using #8 x 3/4" TEK screws.
- 6) Fasten bottom rail to post sleeves or install bottom (wall) mounts to post depending on post type being used.
- 7) You are now ready to start assembling the rail sections to each other. Install corner posts, end posts and center posts (with center top sleeves used at top rail splice locations) as required. Fasten all posts with top sleeves to top rail using 2 - #12 x 1-1/2" screws. #12 x 5/8" screws are used to fasten bottom rail to welded bottom sleeves or bottom (wall) mounts to post depending on post type being used.
- 8) Install all required support legs at this time. Erect sections into place and fasten to deck surface. #14 x 2" or #14 x 3" typically are used to fasten post to typical wood deck applications. Post anchoring may vary depending on field conditions. Consult your **Railcraft®** representative for additional information.



## **SERIES 1500 – WELDED PICKET SYSTEM**

### **WELDED PICKET STAIR INSTALLATION**

- 1) Determine post type and required stair parts and placement locations.  
**NOTE: Stair applications require taller posts to be field cut to suit. (40” post height required on standard surface mount applications – to be field cut to suit).**
- 2) Cut mid-posts and bottom stair posts at required height and stair angle. Attach stair mount plate part # 08-05 using 2 -#8 x 3/4 ” TEK screws onto top of posts.  
**NOTE: Insure center screw chases in top of post runs parallel with stair stringer before angle cutting top of post. This is critical to installation of stair mount plate.**
- 3) Pre-determine stair mid and bottom posts to align on stair tread locations and install in welded picket section. To install stair mid posts and bottom posts in the welded stair system, it will be necessary to cut out a section of bottom rail to allow for the post thickness and any tolerance required for bottom stair sleeves. Typical stair post placement requires removing one 5/8 x 5/8 picket from the stair panel.
- 4) Attach bottom stair sleeves to post and bottom rail using #12 x 5/8” screws.
- 5) Install stair rail section into stair sleeve at top of run and fasten mid posts and bottom posts to stair treads.
- 6) Install welded picket end cap to open end of top rail section.