



PICKET INSERT PANEL 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 center line from the deck edge. This measurement may require field adjustment due to variable installation methods and 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 and glass opening.
- Approximately 6' → 8' center to center post spans
NOTE: Post spans may vary due to application methods and site conditions.
- Stair applications require taller posts to be field cut to suit. (40" post height is required on standard surface mount applications – to be field cut to suit.)
- When pre-determining and positioning posts you may wish to position posts to allow for full and / or equal picket spacing at the end of the picket panel sections along side of posts. This will ensure a balanced look.
- Refer to **Railcraft®** product and sales catalogue estimating section for additional installation hints.
- Consult your **Railcraft®** representative if you should require additional assistance.



PICKET INSERT PANEL SYSTEM

DECK RAIL INSTALLATION

- 1) Determine post type and placement location. Approximately 6'→8' center to center spans.

NOTE: Post spans may vary due to application methods and site conditions.

- 2) Install all corner posts, end posts and center posts with top center sleeves (**NOTE: Install center posts requiring top center sleeves with mount only at top rail splice locations - remaining center posts to be installed later**).

NOTE: Remember to trim off 1/8" from top of posts, which require top sleeves with mounts to insure uniform rail height.

- 3) Loosely install top sleeves with mounts into top of post. Do not fasten at this time.
- 4) Cut top rail and place in position, being sure to mitre cut the top rail before running into corner sleeves to obtain maximum strength.
TIP – Cut top rail approximately 1/2" shorter than tight measurements to allow for adjustment.
- 5) Upon installation of top rail, top sleeves with mounts can now be fastened to post using 2 - #8 x 3/4" TEK screws and fastened to top rail using 2-#12 x 1-1/2" screws. Pilot drill as required.
- 6) Install post mounts (Part # 28-010 See Drawing INSTR-04) using 2 - #8 x 3/4" TEK screws to the top of remaining center posts.
- 7) Plumb and install remaining center posts at pre-determined locations. Secure the post to the top rail fastening the top post mount to top rail using 2 - #8 x 3/4" TEK screws. #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.

TIP: When pre-determining and positioning posts, you may wish to position posts to allow for full and / or equal picket spacing at the end of the picket panel sections along side of posts. This will insure a balanced look.

- 8) Measure and cut picket insert panel sections between post locations (see tip above). Install picket panel insert section upward into the top rail and click into position.

NOTE: Install required support legs at this time. Cut bottom rail of panel approximately 1/2" shorter per side if bottom (wall) mounts are being used to allow for application clearance.

- 9) Install bottom (wall) mounts to posts and attach to post and bottom rail using #12 x 5/8" screws.

NOTE: If posts with welded bottom sleeves are used, bottom rail requires attachment to bottom sleeve only.

- 10) Attach bottom support leg to deck surface.



PICKET INSERT PANEL SYSTEM

STAIR APPLICATION

- 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 post.
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) Position and attach required mid-posts and bottom stair posts to stair treads.
- 4) Install top rail into top stair fitting and attach mid posts and bottom stair posts to top rail using #12 x 1-1/2" screws through pre-drilled holes in stair mount plate # 08-05. Protrude top rail over bottom stair post and install top rail end cap in open end.
- 5) Measure, cut and install stair panel to fit between stair posts. Cut bottom rail of stair panel approximately 1/2" shorter per side to allow for the bottom stair sleeve application.
- 6) Insert picket stair panel section upwards into the top rail and click into position.
- 7) Install bottom rail stair sleeves to post and bottom rail using #12 x 5/8" screws. Pilot drill as required.