



RBP Classic Rail Installation Instructions

****Important:** Prior to installing any railing system, it is wise to familiarize yourself with local code restrictions which might apply**

Included in set:

- 1 1/4" x 1 1/4" x 2" center support block/screw
- 1 Top rail
- 1 Aluminum structural beam (slides into top rail)
- 1 Bottom rail
- Balusters (spindles) for 6 or 8' Sections
- 2 *Top brackets w/hardware
- 2 *Bottom brackets w/hardware
- 2 #8 x 3/4" pan head screws

Tools needed:

- Drill
- Drill bits 1/8"
- Phillips screw driver (drill driver preferred)
- Hack saw or chop saw w/trim blade
- Pencil
- Measuring Tape
- Safety glasses *If you are cutting rail with a power saw you must wear safety glasses. Aluminum makes sharp saw-dust.

***Note:** RBP Classic Rail brackets have locking clips which screw to support posts. As rails are completed they are pushed down over clips and lock into place, completing a very secure rail system

***Note:** When unpacking balusters you will see that there are raised snap notches in each end of baluster. These notches lock into holes in rails adding rigidity and tremendous strength to the Classic Rail system. Notch spacing is different on top than on bottom of baluster. Long space is at bottom. Sort these. Be careful not to snap into holes until you are ready to complete the job. They are very difficult to remove once snapped into place.

*There are no snap notches on stair balusters.

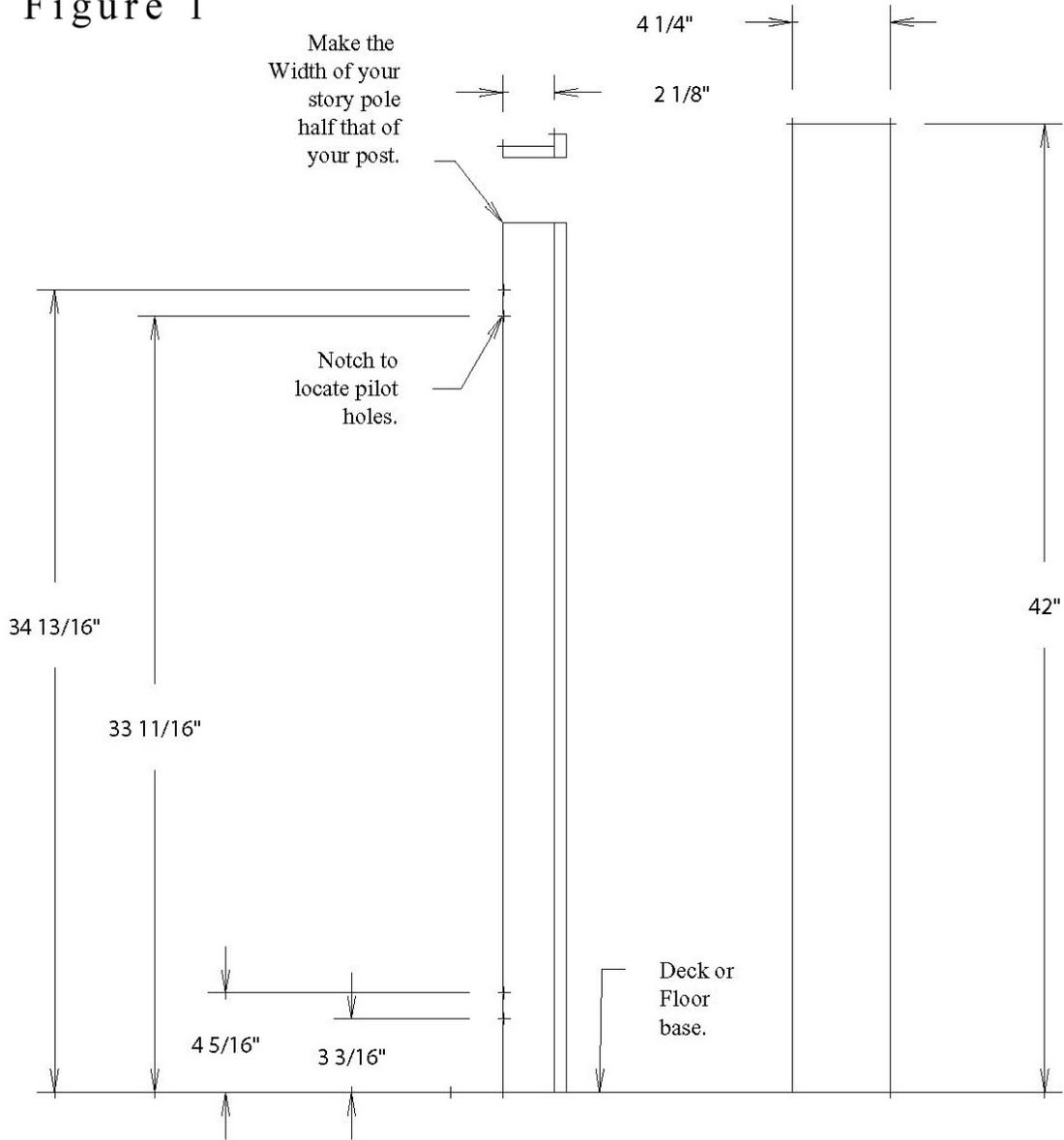
***Note:** (1) The following instructions assume a relatively level floor. If floors are badly out, you should use a level to locate brackets on posts, maintaining a maximum 2" spacing between bottom rail and floor.

PREPARATION FOR INSTALLING RAIL: Measure space between support posts where rail will install. Cut top and bottom rails to this measurement minus 1/2". When cutting, be sure to keep hole spacing correct, and the same on each end, top and bottom.

LOCATING BRACKETS ON POSTS: The easiest way to install rail is to make a story pole, (a gauge made of wood, sheet metal, cardboard, etc. marked with measurements of bracket screw locations.) It will pay to make your gauge with a lip on one edge which aligns with posts so that the measurement edge of your gauge is at the exact center of post. Marks made on post will then be centered and ready for self drilling screws (#10x2"). (*See fig.1)

RBP's new Auto Locator makes bracket placement a snap. Auto Locators are available through all Classic Rail dealers.

Figure 1



After drilling is done, bracket clips can be installed with #10 x 2" self drilling screws to posts. Posts are now ready to receive rail.

RAIL ASSEMBLY: RBP Classic Rail can be assembled either in place at job site or assembled remotely and delivered to job site.

To assemble at installation point, you should first find center of bottom rail (the one without aluminum beam) and install 1 1/4" x 1 1/4" x 2" support block with screw provided. This block can

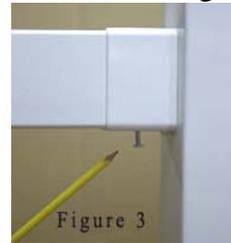
be shortened if needed. This block gives tremendous downward strength to Classic Rail system. (*see fig.2)

Place a mounting bracket on each end of bottom rail with clip slot facing down and snap into place over locking clips. Being careful to orient notches in proper direction, install balusters into routed holes in rails, snapping each in place.



Place brackets on top rail and align one end with locking clip. Holding top rail at an angle, insert balusters one by one into routed holes. As you approach opposite end, be sure both brackets are lined up with locking clips and push downward into place. Working from first end, be certain all balusters have locked into rails. With this properly secured, railings will be locked onto posts. A 3/4" x #8 white screw is installed upward into the underside of the top bracket (*see fig. 3) and rail after checking that balusters are plumb (perfectly vertical.)

The assembly method we prefer is to lay the posts out on a flat table surface and simply snap everything together then transport assembled rail to job site for installation. Snap notches in balusters lock very securely into top and bottom rails so assembly can be carried with no danger of coming apart.



INSTALLING TOP AND BOTTOM RAILS ON STAIRS (Angles: 31°-37°) USING

CLASSIC ANGLE BRACKETS: Lay a straight board on stair incline against posts and gently

clamp or hold securely to post. Scribe a vertical line where posts intersect the board at top post and bottom post. Using this measurement cut top and bottom rails to fit between posts being very careful to mark both so baluster holes are evenly spaced from each end and exactly the same on top and bottom. Place angled brackets on each end. Place bottom rail into proper position and secure to post. Install balusters and repeat last step with top rail. Place decorative caps over screws in angle brackets to finish the stair rail job.



ANGLED DECK INSTALLATION WITH ADJUSTA-BRACKETS: With length calculated and brackets installed, simply use spacers (Cut off end pieces of 2 x 3 ½" Rail make good spacers) under rail to hold it level and the proper distance off floor and fasten screws to post.

USING RBP CLASSIC RAIL ON ANGLES UNDER 31° OR OVER 37°:

RBP supplies a special adjustable bracket to adapt Classic T-Rail to any angle; up, down, or sideways. The adjustable bracket slides onto rail and can be held against post to be scribed. Be certain brackets are placed so baluster spacing will be the same on both



ends. Tape brackets so they won't slide on the rail. Cut carefully on scribed lines. Put rail back into place. Raise to proper position and secure to post, being sure screws are long enough to fasten into solid material.

***NOTE:** In some applications baluster spacing may place end balusters such that brackets need to be notched slightly. This should be done carefully and very neatly using a jig saw and a fine toothed blade.

