

# PLANNING YOUR ROYAL FENCE

## Fence Diagram

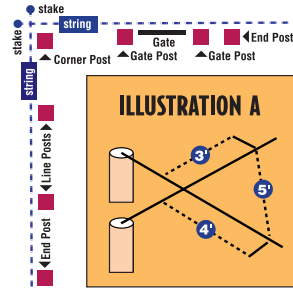
Using graph paper, pencil and a straight-edge, draw your fence plan.

- Begin by drawing lines indicating property borders, easements and location of utility lines in the area where your fence will be placed.
- Try to make a layout that will enable you to use the fence panel's full width. Although many of the picket styles cannot be cut, a suggestion would be to substitute a gate panel, which is 42" wide at one or more locations to get closer to the desired dimension.
- Draw in proposed location of fence, marking all fence corners, gate posts and end posts.

## Staking Out the Fence

Follow your plot plan to establish the fence line along the ground.

- Drive a stake at all corner, gate and end points, making certain corners are square (at a 90° angle). Use the 3-4-5 triangle method to square up corners (see illus. A).
- Tie and stretch string between each stake. String should be taut.
- Measure and mark the position of each line post.



It is recommended that you install a fence section as each post hole is dug, prepared and filled with concrete. Starting at a corner, using 2x4s as braces, plumb and secure each post BEFORE THE CONCRETE IS SET. Repeat the procedure for each fence section and post as you build out from the corner.

NOTE: Once the concrete is set, any adjustments to the post or positions to accommodate fence section installation may not be possible.

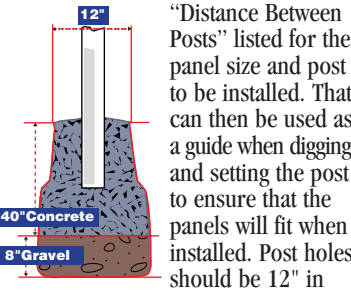
## Installing Posts

Check your on-center post spacing before you dig. This chart gives you the proper distances depending on the fence panels being installed.

Nominal Section Width	Panel Size	Post Size	Center To Center Distance	Distance Between Posts
8'	91½"	4"	96"	92"
8'	91½"	5"	97"	92"
6'	66½"	5"	72"	67"

Once the spacing has been established, without disturbing the string, stake each post location.

**Here is a Tip:** As an aid when digging post holes, many professional installers cut a 2" x 4" board to the dimension shown in the chart column



diameter and 48" deep in cold climates where deep frost may occur. Widen the bottom of the hole so it forms a bell shape. This helps prevent the concrete and posts from heaving. Pour 8" of gravel into the bottom of the hole. Cover gravel with 40" of concrete to fill the hole. **You will need two 40# bags of Quikrete for each hole.** For all fence styles **except** post and rail, tap the post into the hole deep enough so the distance between the ground and the base of the post cap is equal to or greater than the **actual height of the fence panel plus two inches** (for clearance between the ground and the bottom of the fence). Published fence panel heights are nominal... *please measure the actual height of the panel.* Concrete will fill the center portion of the hollow post for added support. Plumb and level each post. Create a concrete collar sloped away from the post to permit proper water drainage. Make final adjustments and plumb. Allow 24 hours for concrete to set.

# A QUICK AND EASY DO-IT-YOURSELF PROJECT

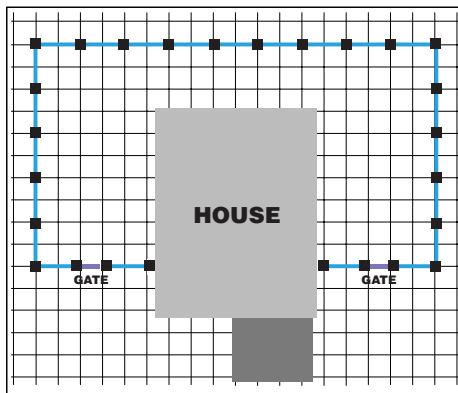
Installation of your Royal vinyl fence is accomplished in several easy steps. There is no heavy lifting. The lightweight design allows you to work freely and quickly. Pre-built sections slide into rail hanger brackets and are fastened with screws. You don't need special skills or experience, just a few simple tools.

1. Begin by laying out the fence. Using stakes and string, stake out the fence. Mark fence corners and post locations, including gate posts.
2. Dig or drill post holes.
3. Fill holes with gravel and concrete.

4. Plumb and level posts on center.
5. Attach rail hanger brackets according to the dimensions of the corresponding fence style making sure the bottom of the fence panel is 2" from the ground. Slide fence sections into brackets and fasten with screws.
6. Attach gate(s). Gate bottom should align with fence bottom. Attach post caps using Royal's Special Vinyl Adhesive on post caps for the finishing touch.

\*Note: This last step is not required for posts with pre-attached caps.

## Installation Steps



## SAMPLE FENCE PLAN—USING 8' SECTIONS

Scale: 1 square = 4 feet

- 40' x 72' (8' section)  
8'-wide fence sections
- 23 sections
  - 26 4" posts/caps/hardware

- Sample Plan Parts List
- 2 gates
  - 2 gate hardware kits
  - 1 can Vinyl Adhesive