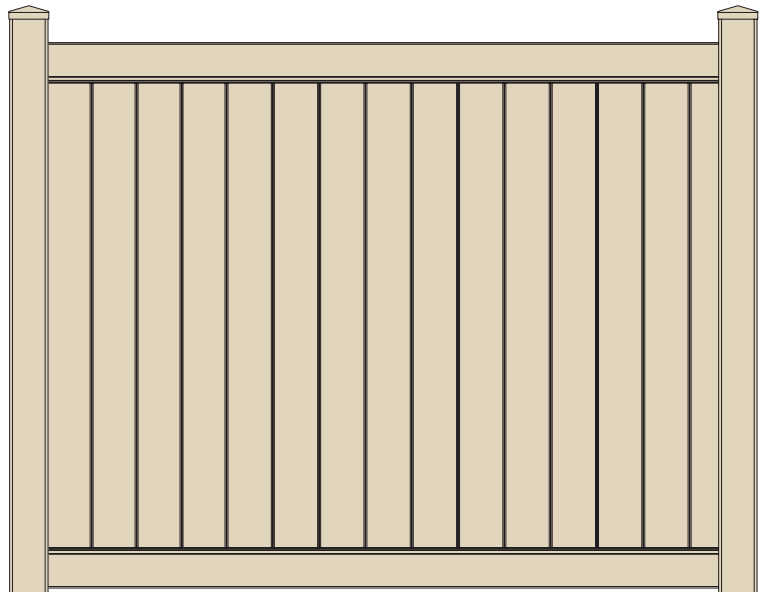
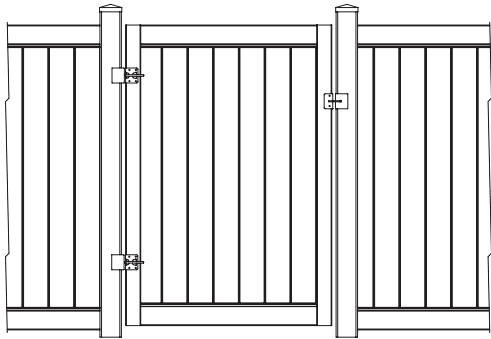


Privacy Fence  
**ROUTED-POST SYSTEM**  
Installation Instructions



**WEATHER STRONG** PVC FENCES  
vinyl products

**NEXTWOOD**  
Outdoor Products

[www.nextwood.ca](http://www.nextwood.ca)



**Read this instruction manual completely before beginning!**

These instructions are to be used as general guidelines for the installation of your vinyl fence under normal installation conditions. Local conditions may exist which may require changes in the recommended methods of

installation noted in these instructions such as extreme weather, bad soil conditions such as expansive soil or poorly compacted soil, extreme winds or heat, etc.

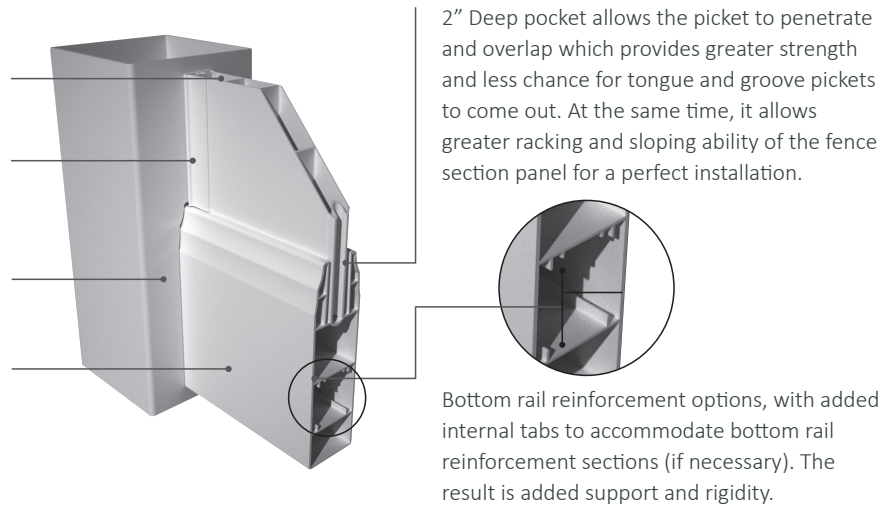
## Privacy Fence System Anatomy

7/8" x 6" Tongue and groove pickets interlock to create a strong joint to withstand the test of time.

U-channel end cap ensures no gap where tongue and groove pickets meet the post. The unique shape design prevents the end cap from falling into the rail channel.

Rail locking tabs hold rails securely into the precisely routed post via a computer controlled routing machine. No use of screws to rust, weaken or become loose over time.

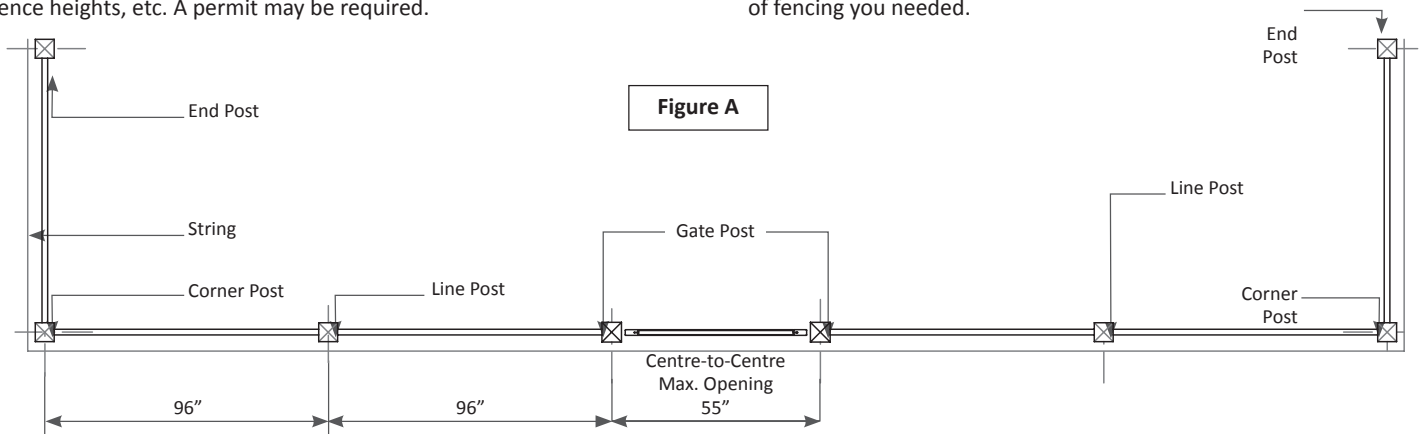
**The 2"x7" Super-sized Privacy Rail is the most structurally sound in Ontario, and provides the perfect blend of elegance, strength and performance.**



## Fence Layout

Laying out the fence is a critical step towards ensuring a quality installation. Before you start, it's important to check:

- That fence footings do not exceed legally established property lines. Consult a professional surveyor.
- Local codes for specifications regarding frontage locations, allowable fence heights, etc. A permit may be required.
- With local utility companies for locations of underground cables or pipelines.
- Before purchasing the fence, draw a layout to determine the amount of fencing you needed.



### STEP 1

Locate the boundary lines to your property.

### STEP 2

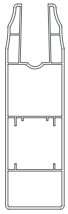
- Drive stakes into the ground along the property line and stretch a string between each stake.
- Be sure to extend the string about 24" beyond the property line.

### STEP 3

Please follow the guideline below to position the posts:

- When using standard 8-ft panels, the distance between posts should be 96" centre-to-centre.
- When using standard 4-ft gates, the distance between the posts should be 55" centre-to-centre.
- In case the overall length of the fence is not exact multiplication of 96", leave the distance for the corner posts to be less than 96". Determine these distances, as the panels connected to the corner posts must be cut according to the actual distances. Note for instruction below to determine the length of panels connected to the corner posts.

**PANEL COMPONENTS**



2" x 7" Rail (94")



Rail Locking Tab

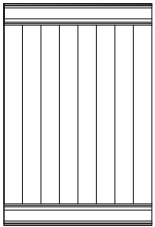


U-channel (56")



7/8" x 6" T&G Picket (59-1/4")

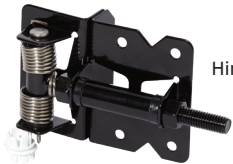
**GATE COMPONENTS**



Privacy Gate  
48" x 70"



Aluminum  
Side Rail (70")



Hinge

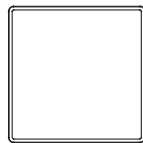


Latch

**POST COMPONENTS**



Galvanized Pipe -  
2-3/8" OD (96")



5" x 5" Post



Post Collar



Rail Lock



External Flat Cap



New England Cap

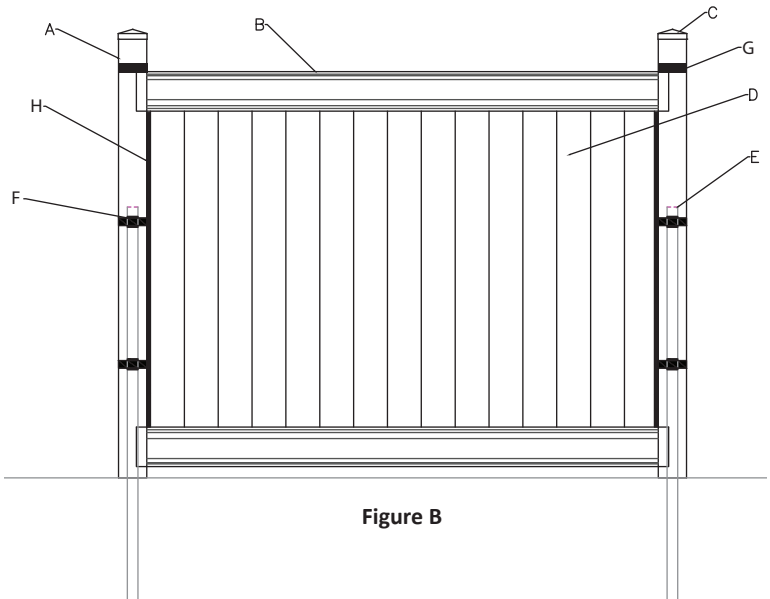


Gothic Cap

**PRIVACY FENCE COMPONENTS**

See Figure B

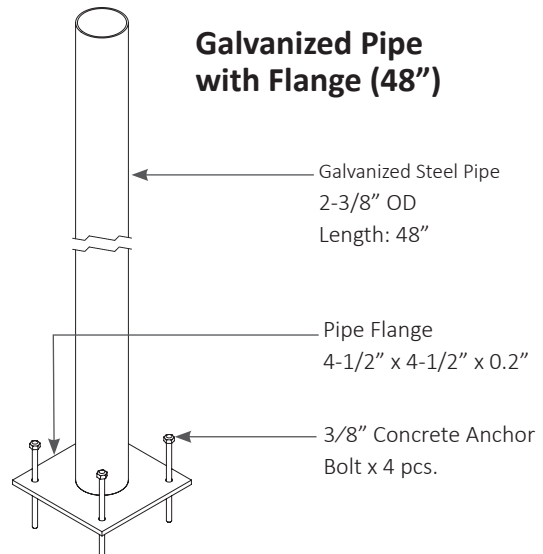
- A. 5" x 5" Post (1) (84")
- B. 2" x 7" Rail (2) (94")
- C. 5" x 5" Post Cap (1)
- D. 7/8" x 6" Tongue and Groove T&G Pickets (15) (59-1/4")
- E. Galvanized Pipe 2-3/8" OD (2) (96")
- F. 2-3/8" Adjustable Post Collars (2)
- G. 2-3/8" Rail Lock (1)
- H. U-channel (2) (56")



**Figure B**



Vinyl Rail Notcher



Nextwood recognizes different methods of post installations into the ground. Nextwood recommends the "Post Pounding" method to secure the post in the ground.

## TUTORIAL VIDEO FOR INSTALLATION:

[www.youtube.com/watch?v=GtFOilwDAeE](http://www.youtube.com/watch?v=GtFOilwDAeE)

## Post Pounding Method

### STEP 1 - SETTING FENCE LAYOUT

- Before you begin pounding, it is important to follow the instructions in the above section of "Fence Layout" (page 1).
- Galvanized steel pipes should be spaced according to chart on page 2 and pounded 4 feet deep (Figure C).
- For the standard 8' panel, the pipes should be spaced 96" centre to centre.
- Use a level and your string line to ensure that the steel pipes are as plumb as possible while pounding. Post collars will allow for adjustment after.

### STEP 2 - SETTING GALVANIZED PIPE AND POST COLLARS

- Two post collars are needed for each galvanized steel pipe.
- Slip the bottom post collar into the pipe. The bottom collar should be set above the bottom rail, i.e., 12-16" above ground (Figure D). The post collar should be fastened to the tube using two screws.
- Slip the top post collar into the tube, set the top collar about 2" under the end of the pipe. Fasten the top collars to the pipes using screws. (Figure D)

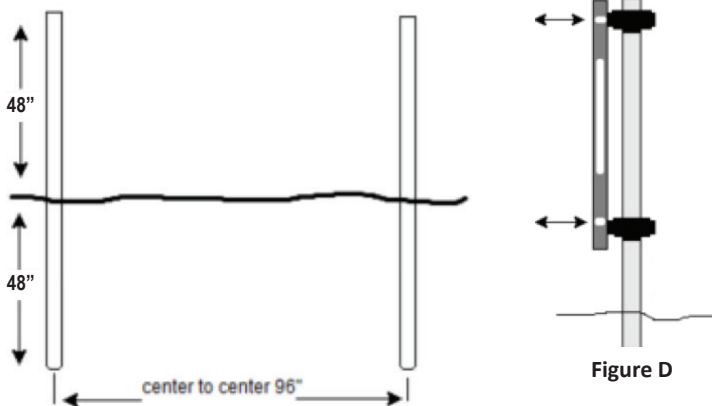


Figure C

### INSTALLATION OF POST CAPS

NOTE: Do not install post caps on posts until the fence installation is complete.

- Press the post cap completely and securely into the top of the posts.
- Non-dripping adhesive is to be used to permanently secure the post caps into the posts. Apply the adhesive carefully as to not allow the glue to drip on any part of the fence, in particular, along the post.
- Note that once adhesive is cured, the post cap may not be able to be removed.

### STEP 3 - STRING LINE

- Once the corner and end post collars are set, run the string line on the top collars for each run of fence from end posts to corner posts, etc. (Figure E).
- Using the level, plumb the remaining bottom collars with the top collars and fasten to the posts.

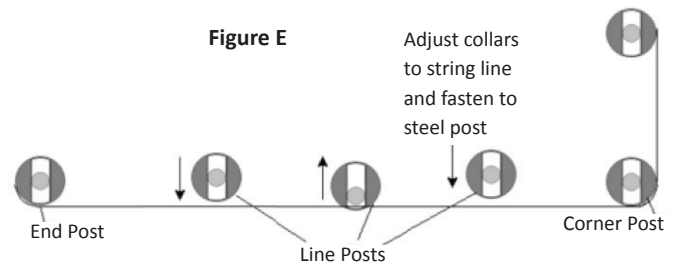


Figure E

### STEP 4 - SETTING POSTS FOR HEIGHT

- Place all 5x5 posts over steel pipes and post collars, making sure they are in the correct positions, i.e., line, corner, end, etc.
- Insert bottom rails into posts. Ensure the rail locking tab is in correct position to avoid the rail from slipping out of the post. (NOTE: Some bottom rails may need to be custom cut for length.
- Rail locking tab must be created manually using a manual Vinyl Rail Notcher.
- Set end posts and corner posts for height.
- Run a string over the top of posts from end to end of each fence line. Then set the rest of the posts to height by lifting to string and fastening to collars, either through U-channel and post into top collar (Figure C) or bottom Collar (Figure D), or through the post below the rail into bottom collar (Figure E).

### POST INSTALLATION ON CONCRETE

- There are cases where the fence posts must be installed on concrete ground.
- There are also cases where installers prefer to form concrete foundations on the ground. Follow recommended local guidelines for such concrete foundation.
- Galvanized pipe with flange (see page 2) must be used. The flange must be bolted into the concrete using the recommended concrete anchor bolts.
- The rest of the post installation should follow the steps above.

**NOTE:**

- i) All privacy fence components come as pre-cut profiles or knock-down (KD) components from the factory. Refer to Page 2 for sizes.
- ii) When installing fence panels, always start at the End Posts and Gate Posts, then Middle Posts. Install the panels connected to the Corner Posts last.

- iii) It is recommended to use panels components with full width (96") for most gaps between posts, except those near the Corner Posts. If the gaps near the Corner Posts are less than the standard gap, cut the panel components, especially the horizontal fence components, to fit to those gaps.

**FLAT TERRAIN INSTALLATION**

For typical installations on flat ground, the posts are to be set at an elevation with approximately 2" clearance between the bottom end of the bottom rail and the ground.

Set all posts to the desired elevation. It is recommended that the top level of the posts are between 75" and 77" above the ground.

**INSTALLATION OF BOTTOM HORIZONTAL RAIL TO POST**

For End Post and Middle Post

NOTE: Posts installed with this method have slight rotational wiggle room.

- Insert one end of the bottom rail into the cavities of both posts.
- Level the horizontal bottom rail with the lowest level of the rail about 2" above the ground. If necessary, put wooden blocks while securing the rail profile to both posts.
- The rails are secured to the posts by the locking tabs near the ends of the rail.



Rail Lock in the Post

**INSTALLATION OF U-CHANNEL**

- Align the U-channel in the centre of the post horizontally and between the routed cavities on the post.
- Secure the U-channel into the post using screws at minimum of four locations.

**INSTALLATION OF VERTICAL PICKET BOARDS**

- Insert the Picket Board by lowering it into the opening of the Bottom Horizontal Rail.
- Start with the first Picket Board closest to the post. Ensure that the first Picket Board goes into the groove of the U-channel.
- Continue inserting the next Picket Boards in the opening of the Bottom Horizontal Rail. Note that the Picket Board is a tongue-and-groove board. Ensure that the tongue of one Picket Board is inserted into the groove of the next Picket Board, as to create an integral wide panel.
- The end of the last Picket Board of a panel section shall be inside the inherent groove of the U-channel.
- In certain circumstances, the last Picket Board may have to be cut along the length of the board, so that the whole fence panel will fit perfectly in the gap between two posts.

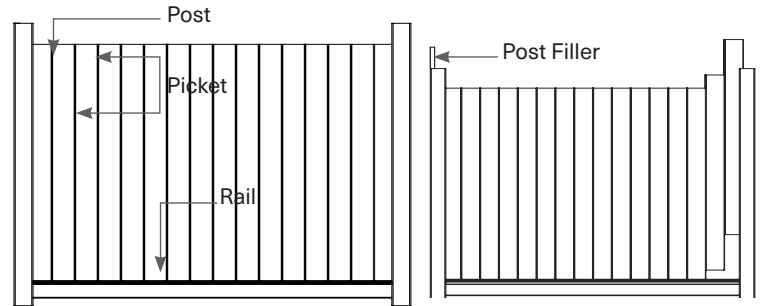


Figure F

**INSTALLATION OF TOP HORIZONTAL RAIL**

- To finish off the panel installation, the Top Horizontal Rail must be installed to cover the top of the Picket Boards.
- The Top Horizontal Rail must also fit into the routed cavities of posts (see illustration Figure G).
- Finally, the Top Horizontal Rail must be secured to the post in the same manner as the Bottom Horizontal Rail, by the locking tabs.

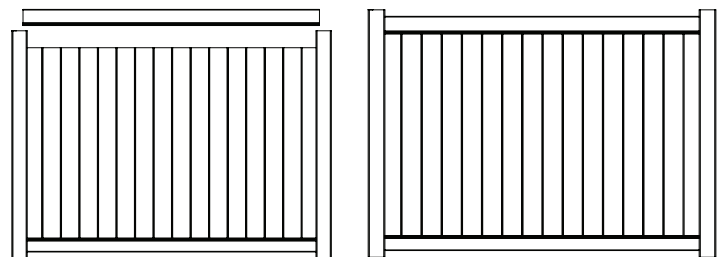


Figure G

## Gate Installation

### SLOPED TERRAIN INSTALLATION

For installation on sloped/variable ground, it is recommended to use “stepped” (Figure I) or “racked” (Figure H) installation method (see illustration below). Note that the clearance under the fence will increase as the grade drops off.

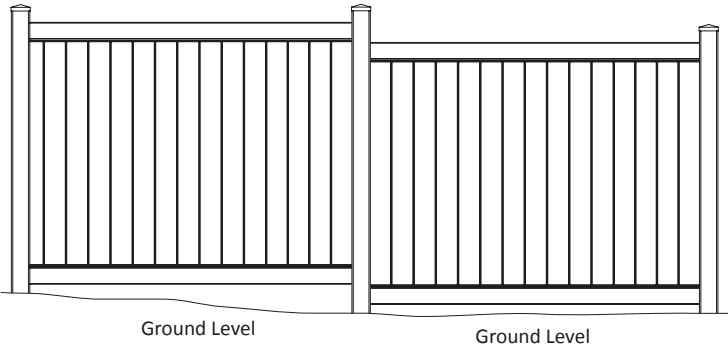


Figure I: Stepped Installation

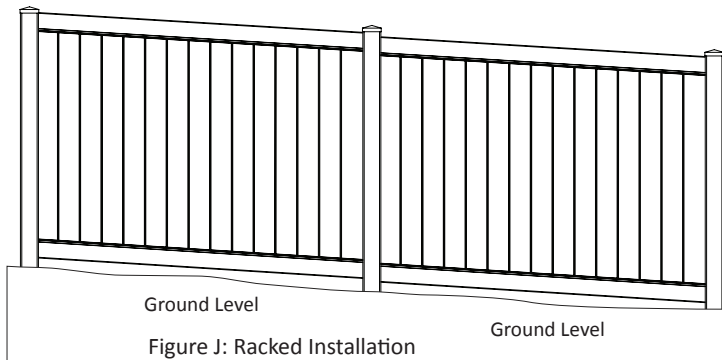


Figure J: Racked Installation

### GATE INSTALLATION:

Standard Gate comes with two Aluminum Side Rails, but they are not attached to the gate. All Standard Gates are 48” x 70”. In order to use a standard gate, the centre-to-centre distance between the two Gate Posts should be 55”, or the opening between Gate Posts should be 50”.

- Ensure the opening between Gate Posts is 50” or less.
- If the opening is 50”, a Standard Gate can be used by adjusting its width. If the opening is less than 50”, the Standard Gate must be cut to adjust to the gate opening.
- Attach two aluminum side rails on both sides of the gate (Figure 12).
- Position the gate in the gate opening and block-up the gate as necessary to line up the top horizontal gate rails with top horizontal rail of the fence. Note that the gate is 1” shorter than the fence panel as to allow extra space at the bottom to allow easy movement of the gate.
- There is an optional post stiffener to secure the hinges into the post.

Figure K

