

# FENCE & DECK SUPPLY™

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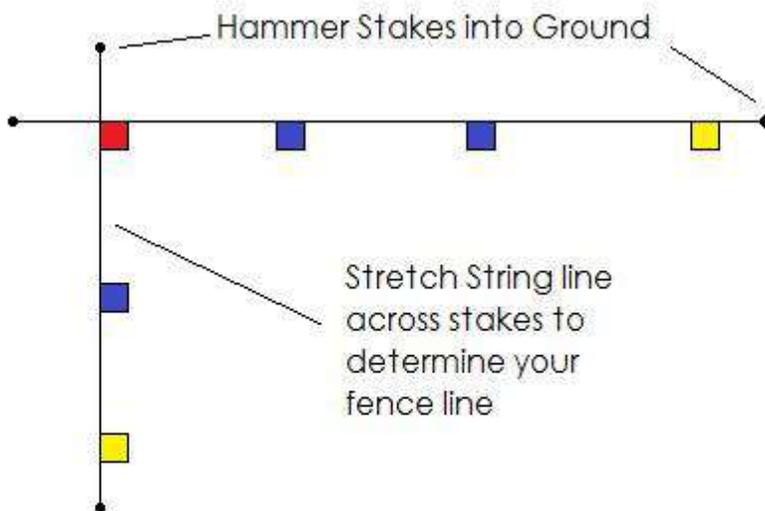
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## Basic Vinyl Fence Installation Guide

These instructions are intended to be used as a guide for installing vinyl fence under normal conditions. Extreme environmental conditions may require alternative measures when installing your fence. Consult your local municipality code enforcement regarding fence permits and requirements.



**Step 1.** Call your appropriate utility locating service. (often time this is a free service provided by utility companies)

**Step 2.** Acquire the proper tools required for normal installation.

- |   |  |
|---|--|
| <input type="checkbox"/> Shovel           | <input type="checkbox"/> Paint           |
| <input type="checkbox"/> Tape Measure     | <input type="checkbox"/> Level           |
| <input type="checkbox"/> String Line      | <input type="checkbox"/> Miter Saw       |
| <input type="checkbox"/> Metal Stakes     | <input type="checkbox"/> Table Saw       |
| <input type="checkbox"/> Soft Blow hammer | <input type="checkbox"/> Drill           |
| <input type="checkbox"/> Fence Hole Auger | <input type="checkbox"/> Concrete Mixer  |
| <input type="checkbox"/> Post Hole Digger | <input type="checkbox"/> Crescent Wrench |
| <input type="checkbox"/> Wheel Barrow     |  |

**Step 3.** Layout Your Fence

Start by placing a stake in the ground at each corner and end of your fence line. These stakes will serve as references for your post. Use your string line and stretch the line connecting the stakes.

Measure each fence line to determine how many post you will need to complete each section.

Hint – Vinyl fence sections are measured from center of post to the next post. It is very rare that you will have a perfect fence line and it will require you to choose from 2 options to complete your fence line.

**Option 1 :** You may choose to have full sections and then a small section at the end. (Fig 1.1)

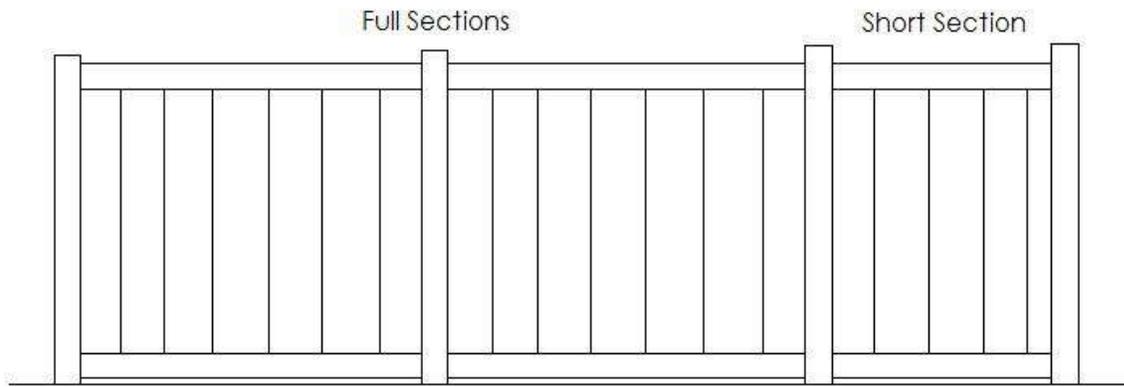


Figure 1.1

**Option 2 :** Even sections the entire fence line. Take your entire fence line and cut down each section for a uniform look across the fence line. (Fig 1.2)

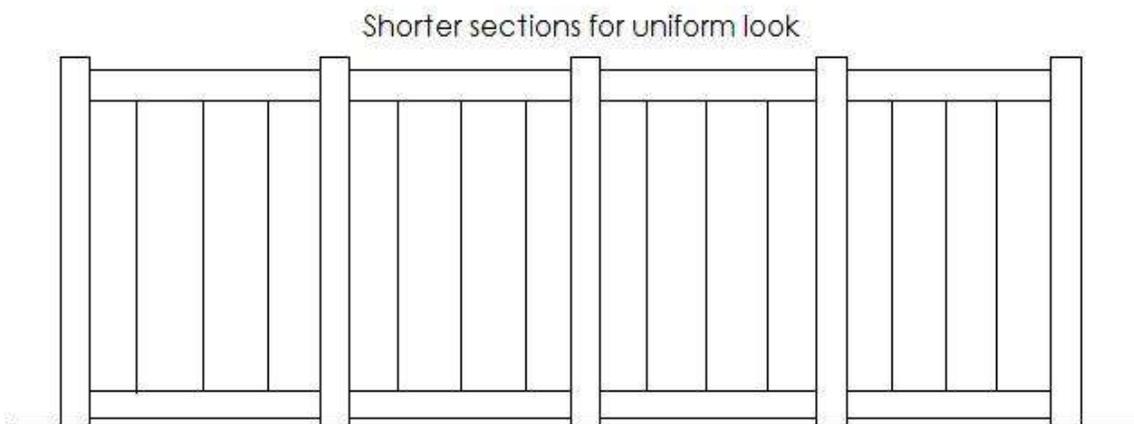
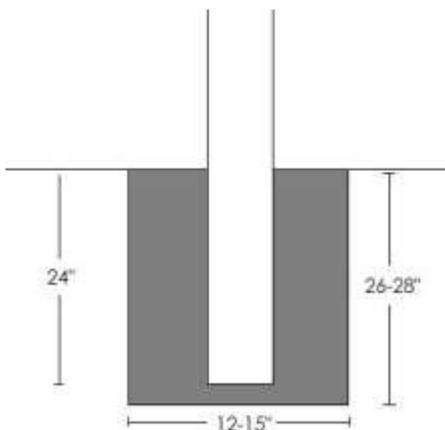


Figure 1.2

**Step 4.** After determining the layout of your sections it is time to mark the holes. Using spray paint mark the center of each hole on the ground along the string line. Our vinyl fence is manufactured to be 8ft or 6ft on center depending on the type of fence that you have ordered. It is important to note that the width between fence posts should never exceed 8 or 6 ft.

**Step 5.** It's time to start digging your holes. Post are designed to be placed into the ground approximately 24". It is recommended to dig 26-28" deep to allow for concrete to be placed at the bottom of the hole. Holes should be at least twice the width of the post.



*It is important to check local building codes or restrictions before installation. Extreme climate or soil conditions may require additional resources or techniques when installing your post. Sometimes longer post may be needed. Please contact us for custom applications.*

**Step 6.** After digging your holes it is time to set your post. Vinyl fence post have been routed to your specific fence style.. Setting your post is one of the most important steps and it is good to have a few helping hands during this process. Place your post in each hole. Re-stretch your string line as a guide to keep your post straight. Mix your concrete and start at your first post. Place 2-4” of concrete into the bottom of the hole allowing the post to sit on top of it. With the post in the hole begin to shovel concrete into the post hole. Fill the hole up with concrete. Use a level to plumb fence posts.

**Step 7.** Continue down your fence line using the same steps. Use your string line running along the bottom of the post to keep a straight line. *Important Step – Measure between each post to make sure you are not exceeding the maximum width of your sections.* Tamper each post to help pack down the concrete into the hole.

**Step 8.** Making sure that your fence post are straight and plumb is a crucial step in your vinyl fence project. After you have set a fence line stretch a line across the two end post. This will allow you to adjust the height of your post. Adjust the fence up or down to create a uniform fence line. To raise a post pull it gently up out of the ground. To lower a post use a soft blow hammer and tap the top of the post. Allow your post to set in concrete for at least 48hrs before installing your sections. (Fig 1.4)

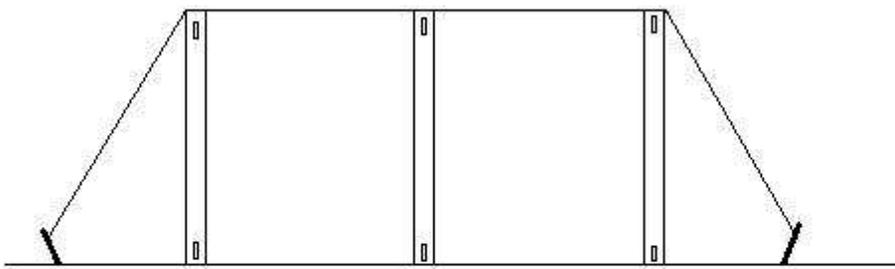


Figure 1.4

**Step 9.** Installing your fence sections is a relatively easy and rewarding step. Start by installing the bottom rail of each section. Measure the distance between the post and add 3” per section. This will allow each rail to be inserted into each post 1.5 inches. Take the rail and at an angle insert the rail into your first post. Allow the rail to go into the post and lower the rail and insert it into your next post. (Fig 1.5)

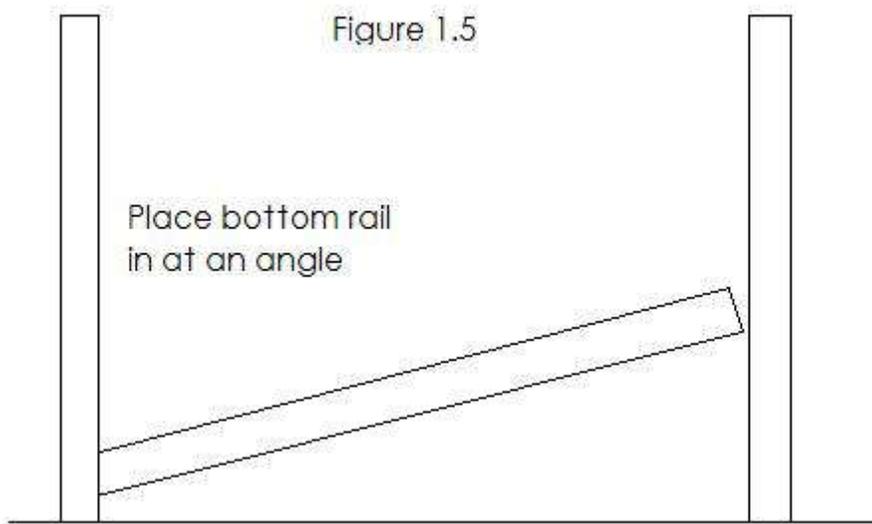


Figure 1.5

**Step 10.** Secure the bottom rail into the post. There are 2 recommended options for this.

**Option 1** – Use a vinyl notcher to notch the end of each rail. Notching the rail indents the rail to allow it to be inserted but not removed.



**Option 2** – Place a screw into the rail at an angle so that it goes through the rail and into the post. This is a faster and easier solution. It also allows for the removal of the rail incase of damage. When a rail is notched it will often break if pulled out. This is our preferred method for speed and repairs if needed.



**Step 11.** Install U-Channel between the top and bottom holes routed into post.

*Important Note: U-Channel only comes with privacy related fences. Picket, Ranch rail and semi privacy fences may skip to next step.*

Place 3 screws into U-Channel and secure into post using a hand held drill. U-Channel helps make your privacy fence sections stronger and allows for expansion and contraction of your vinyl fence. (Fig 1.6)

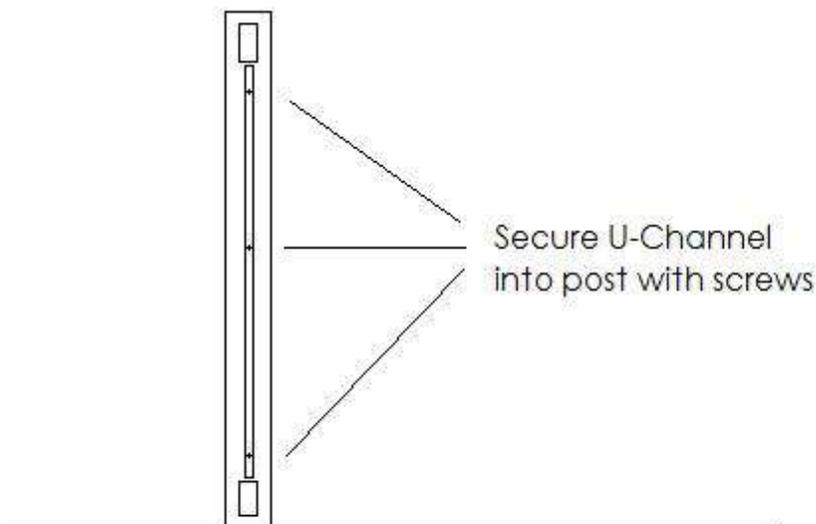
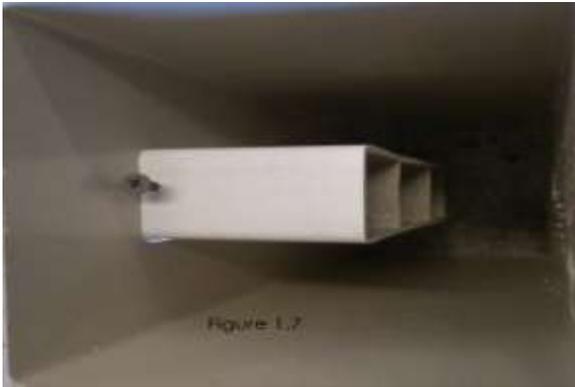


Figure 1.6

**Step 12.** With the bottom rails and U-Channel ( optional ) installed it is time to install the pickets. Start on one side by placing the picket into the bottom rail. Privacy fence pickets will slide into the bottom rail and sit in the u channel. Picket fences will have pre routed holes that will accept each picket. Continue down the section placing pickets in. For privacy fence, install all your pickets locking them into place. Measure the distance from your last

picket to your post and cut picket on table saw. *Hint – Use a fine tooth blade on your table saw. Flip the blade on your saw. This will allow for a clean smooth cut.* Install the picket by interlocking it with the last picket and sliding it in the U-Channel. Don't throw away your remaining picket that you cut you can use it to start your next section if you would like. Continue down your fence section completed a section at a time.

**Step 13.** Install your top rail. Just like your bottom rail you will measure the distance between the post and add 3 inches. Start by putting the rail in the post at an angle. Work the rail down over the pickets and slide all the way into one post. Advance the rail into the adjoin post. Secure the rail either by notching or placing a screw in the top rail on the inside of the post. This will make it so the rail cannot be removed but repaired if needed. (Fig 1.7)



**Step 14.** Install your caps by placing a drop of glue into the lip of the cap. Make sure to put the glue in the cap first and not on the post.

Gate Installation: When you purchased your gate measurements were already taken into account for your gate hardware. Example – A 4 ft wide gate was ordered. Your post should be set at 48” wide from inside of post to inside of post. We subtract the necessary width off your gates to accommodate for hinges and latches.

Determine which post you would like your gate to swing on. Place your gate post insert into post. This will allow the screws to attach to metal and obtain a good grip. Hinges only secured by vinyl will eventually fall off due to insufficient material attachment.

Install hinges on gate using the provided self tapping screws. With the help of another person hold the gate into position lining up the top rails of your gate with the rails on your fence section. Using the adjustable features of your hinges adjust your gate between your post. Install provided latch and test for any binding on the gate.

These instructions are to be used as a guide. Every fence project is different and may require different techniques or custom parts to complete your project. We are devoted to making your next fence project as smooth as possible. For technical or installation questions please feel free to contact us.