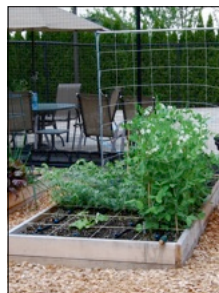


4' x 6'

Our galvanized steel trellis design is a simple, strong, yet elegant solution to vertical growing in your garden. 4 feet wide and 6 feet tall, it's attractive and sturdy enough to grow even melons and vining squash. Tomatoes, cucumbers, peas, pole beans and vining flowers like sweet peas can all be grown on our steel garden trellises. They provide a living screen in your garden that can be used as a garden focal point, to conceal unsightly walls, or to create privacy.

This plan can be used to construct standard 4' widths or can be easily modified to other widths.



## Steel Trellis Plan Overview

Thank you for purchasing this plan from Verdura Culinary Gardens.

Located in Portland, Oregon, Verdura is a company that works with Portland-area homeowners as well as businesses to help them set up, plant and maintain raised bed organic vegetable gardens. Because of the popularity of our sturdy, attractive and versatile trellises, we have created a series of plans for do-it-yourselfers and folks who live outside of the Portland metro area and who are unable to have us build trellises for them.

The plan is designed to fit Verdura Culinary Gardens "Ranch" frame design (P/N: 1001) with a 4'1" outside width. The trellis will straddle the frame when placed on its narrow end. If your frame is a different width, you can adjust the length of the top support as appropriate (see notes on page 3). Also, if your frame is oriented east-west, the trellis can be placed anywhere along the northerly edge of the frame.

If you have built a frame with seats from our plan (P/N: 1002) or a similar design, see Appendix A for modified installation details.

Included in this plan are:

- **A list of the tools you will need.** The only required power tool is a drill.
- **A discussion of the materials needed,** followed by a table listing the materials. Relevant product SKUs from The Home Depot and Lowe's are also included in each table, for your convenience. We also include a cutting diagram for the tubing for the basic trellis size.
- **Step-by-step instructions,** including photos, to guide you through the assembly process. We suggest you read these through before starting, to have a better idea of the scope of the entire project. The trellises are actually quite easy to build and will reward you with many years of easy gardening in a very attractive setting. Good luck with your project, and be sure to check out other Verdura plans for planting plans, frames, and irrigation systems.

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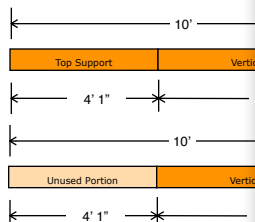
## Materials needed

Qty.	Description	The Home Depot SKU #
2	EMT tubing, 1/2" x 10'	203106
2	EMT elbow, 1/2" cup x cup, 90-degree	329507
4	Strap, EMT 1/2", 2-Hole	
8	Screw, sheet metal, #10 x 3/4"	
2	Steel reinforcing rod (Rebar), 1/2"	
1	Trellis Netting, 6" x 6" nylon, at least 6' x 6'	
30	Cable ties, 8" black	

### Notes:

1. The reinforcing rod is not necessary if you use a raised bed frame with a built-in support. See Appendix A for details.
2. Available from [www.amazon.com](http://www.amazon.com). Try to purchase in local garden stores.

### Cutting diagram for steel tubi



### Notes:

The Top Support length of 4' 1" above will be used to plan. The resulting bed will have an outside width of 4' 1" and you can adjust this dimension.

For example, if you have a 36" wide bed, you can adjust the length of the top support to 4' 1" - 36" = 3' 7". If you are mounting to the inside of a frame, see Appendix A for additional information.

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## Instructions

### Before you begin construct

Note that the following instructions are for hand tools. Power tools can be used if possible, we have indicated those with experience in using power tools.

If these instructions are not clear, visit our improvement store, lumber yard or call our customer service line for telephone or email support (affordable).

### Step 1 – Purchase your materials

Locate and purchase the materials listed in the materials table. Building more than one trellis is possible.

### Step 2 – Cut your tubing

- Find the cutting diagram for the trellis size you want (4'1" or your customized length).
- Cut the tubing with a hand saw or pipe cutter. The cut edges of the tubing must be smoothed or the tubing may splinter in the next step. Use a flat file or sandpaper to smooth the edges.
- Repeat for the second leg of the trellis. Set the tubing aside for your next step.

### Step 3 – Attach elbow

- With the top support lying on a flat surface, attach the elbow to the end of the tubing. Make sure that the elbow is facing the correct direction.
- Tighten the attachment screws.
- Repeat for the other end of the tubing. The two elbows both point in the same direction.

### Step 4 – Attach vertical

- Insert a vertical support into the elbow of the top support.
- Repeat with the second vertical support. The trellis is now complete.

### Step 5 – Install reinforcing rods

- Place a pencil mark on the side of the raised bed frame 3" from the end of the frame as shown in the picture at the right.



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