



Ordering and Installation Guide

Disclaimer

This guide is intended to assist with the measurement and ordering process. However, LatticeStix takes no responsibility for the accuracy of the measurements. Each size determination is the customer's sole responsibility. *Remember the old carpenter's maxim, "measure twice, cut once"!*

Overview

There are two types of installations for LatticeStix™ lattice panels, retrofits and new projects. Typically, retrofits will require more on-site customization of our standardized panels, whereas new projects can be designed with our standard lattice panel sizes in mind. While the guide below addresses fence topper products, the same methodology should be used for other framed lattice products including fence panels, gates, and screens.

Sizing

Standard sizes

All of our lattice panels are available for online ordering in 12 standard sizes. However, we manufacture standard panels in any size without customization fees*, as long as the dimensions conform to the Extended Sizing Formula:

Extended Sizing Formula

Panels

Edge Lattice: any multiple of 3 plus $\frac{3}{4}$ of an inch (60 $\frac{3}{4}$, 63 $\frac{3}{4}$, 66 $\frac{3}{4}$, etc.)

Flat Lattice: any multiple of 3 plus 1 $\frac{1}{2}$ of an inch (31 $\frac{1}{2}$, 34 $\frac{1}{2}$, 37 $\frac{1}{2}$, etc.)

Framed Screens

Edge Lattice: any multiple of 3 plus 2 $\frac{1}{4}$ inch of an inch (62 $\frac{1}{4}$, 65 $\frac{1}{4}$, 68 $\frac{1}{4}$ etc.)

Note that some patterns will change depending upon odd/even number of rows/columns.

Any dimensions outside of this formula will incur customization fees depending upon dimensions and sizes. *Please call for a quote for Extended Standard Sizes and Custom Sizes.*

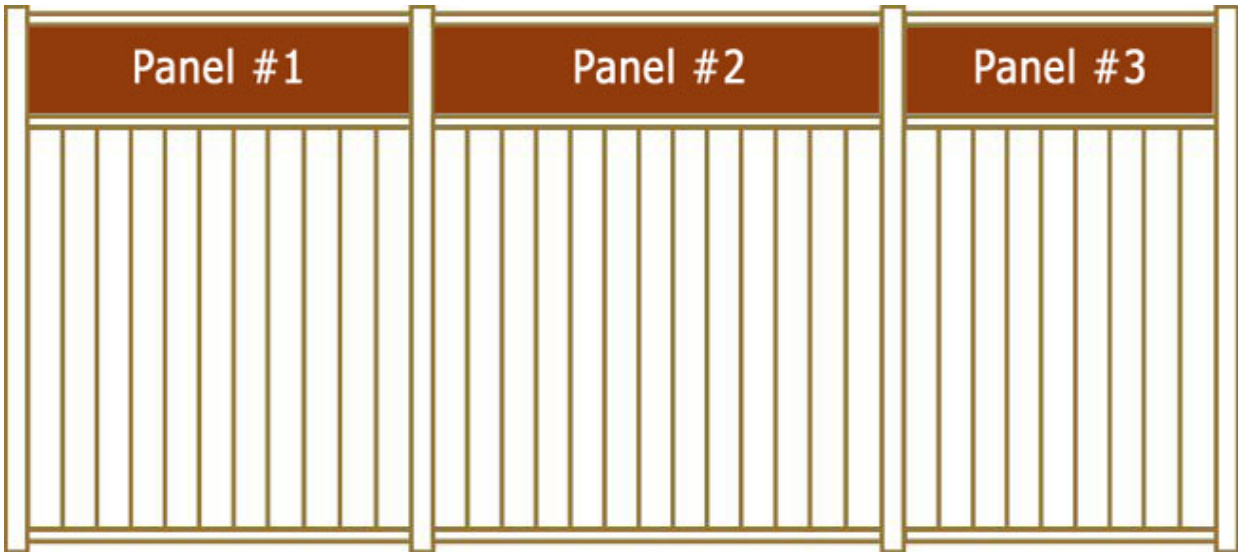
A. Retrofit Fences

Because the opening already exists for retrofit projects, a standard lattice panel may not work. While trimming panels by less than ½ inch will not impact the structural integrity, it will impact the aesthetics. Cutting through the individual sticks will reduce strength and longevity. It is therefore better to order a custom sized panel(see above) that fits snugly in the opening. Reference the 'Order' section of the web-site for the standard sizes available.

Measuring and Ordering Panels for Retrofit Fences

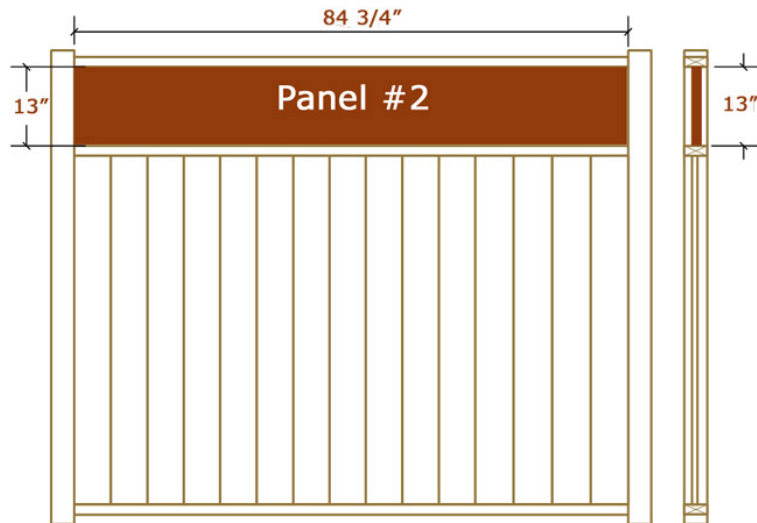
Step 1: Fence Survey

Unless the fence only has one panel, it is necessary to draw a simple diagram of the fence that includes all of the fence panels that will hold the new lattice panels. Although the panels may appear to be the same, once each is measured, there are often significant size differences. Numbering the openings as in the diagram below, will also help prevent confusion once the panels arrive.



Step 2: Rough Measure

Measure the length and width of the opening for each of the panels and write them on your diagram as shown.

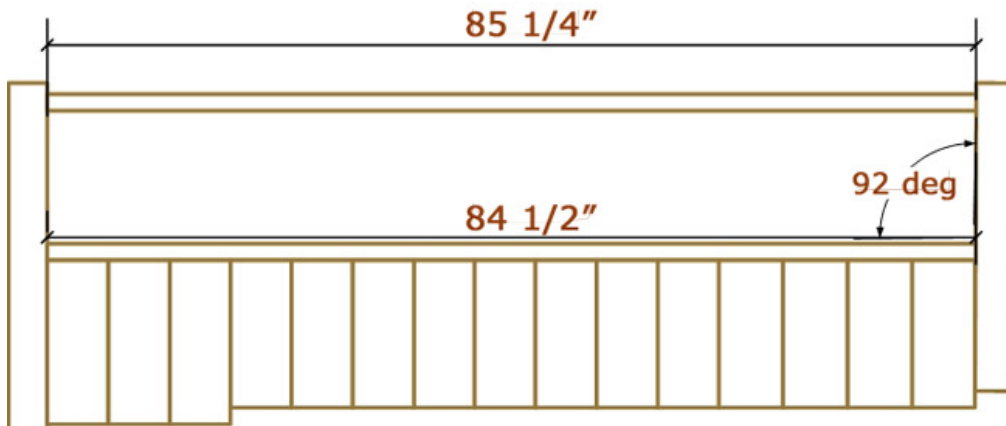


Step 3: Verify Dimensions

In order to avoid problems with out-of-square rough openings or openings that are not rectangular, it is best to take several additional measurements.

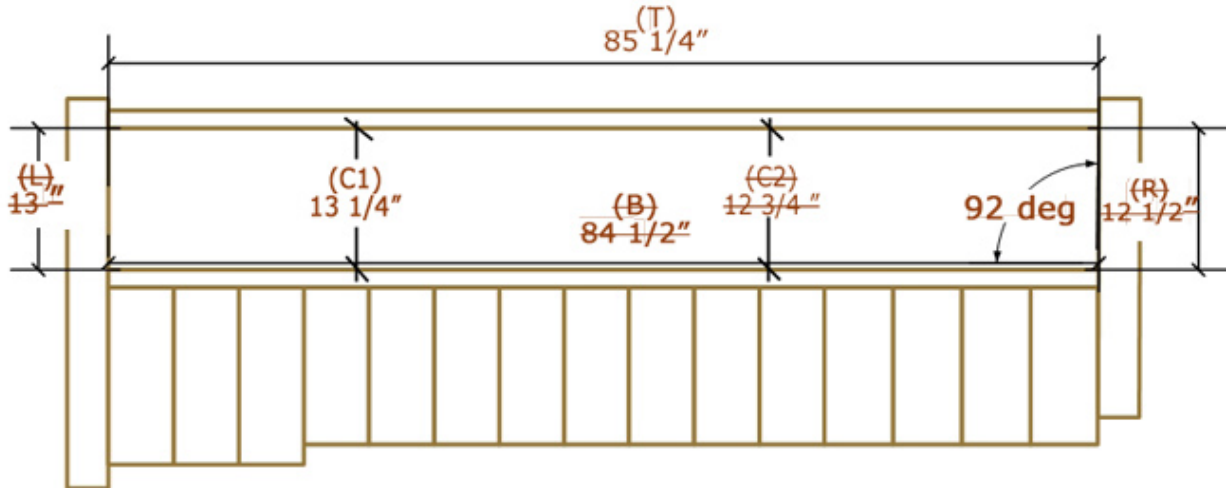
- Measure each leg of opening as shown below, and write down the measurements on the survey.
- Using a square or a draftsman's triangle, check each corner for square.
- Note as well whether any of the rails are bowed by taking several additional measurements in the center of the panel.

These simple steps will help you avoid ordering panels that are too small.



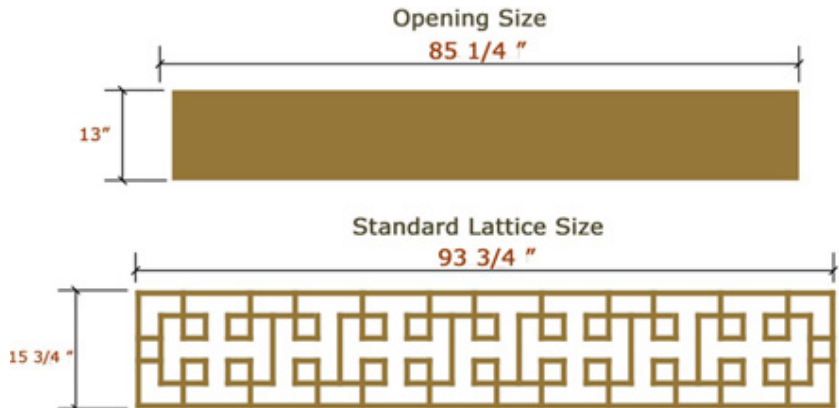
Step 4: Finalize Measurements

Once the dimensions are noted on your drawing, add notations for left (L), right (R), center 1 & 2 (C1&C2), top (T), and bottom (B). This will help identify the legs. For each horizontal and vertical set of measurements, choose the LARGEST number for your measurement. This will be the maximum size of panel. However, if any of the corners is more than several degrees out of square, you should add an inch to the panel height and width to compensate.



Step 5: Order

For each panel, use the size noted in Step 5 to order the panels. Always order a size large than your measurements. If you intend to reduce the size of your opening with spacers, the adjustment to your fence should be done before you take measurements and order your lattice panel.





B. New Projects

If you are building a new structure that the lattice panel will fit into, it is simplest to design your fence for the existing panel sizes. So, if you plan to build a fence with 8 foot panels, for instance, simply take the LatticeStix fence topper size 3105 width(93 ³/₄) add ¹/₄ of an inch to allow for out-of-square or dimensional variation, and design a fence with an opening of 94". If you are using standard 4 x 4 posts with a finished size of 3 1/2" x 3 1/2", then your posts should be set at 94" + 3 1/2" = 97 1/2" centers. This will allow for a snug fit that will compensate for imperfections in the frame, and the normal expansion of cedar with exposure to the warm sun and moisture.