

## Small Garden Build - Your Needed Tools List

Tool	Use
<b>Working with Glass</b>	
<b>Grinder - regular grit heads</b>	<b>Only expensive required item</b> if you don't have one. It is possible to construct with a hand grind stone if no major glass piece needs significant grinding.
Glass cutter	whatever is your favorite
Glass Breaking or Running Pliers	to break glass at score line
Cutting oil	whatever is your favorite
Good straight edge ruler 18" or more with minimum of 1/16" marks.	To measure and for cutting the straight cuts (75% of the cuts)
Sharpie, for marking glass	Suggest Fine and Ultra fine (for marking curved segments)
<b>Working with lead Came</b>	
Lead Dyke	Trim lead came to desired length
Needle Nose pliers	bend heart from lead came
Single Edge razors (2)	cut interior of RU4 came heart
A few sharp pencils	for marking lead for cutting to length
<b>Holding base and side walls during fabrication</b>	
Work Surface - 18" by 18" or larger, that will except nails	a material that horse show nails can be inserted into
Small Hammer	For tapping nails into place
Horse Shoe nails - 1 to 2 Doz	Hold wood forms in place
Masking tape	Hold parts during soldering
Straight edge guides, 4 or more at 6 to 10" long.	Used to hold base and wall sections during fabrication. I use wood strips 1/4" thick and 3/4" wide. <b>Supplied in Class Kits.</b>
<b>Soldering</b>	
Soldering Iron	For solder to copper base will need a large tip and 50+ watt iron.
Regular solder	your choice
Regular solder flux	I <b>recommend</b> paste flux as it stays better on a slightly sloped surface.
Mat grade cardboard	Cut into small pieces, as needed, to lift glass to fit into the came channel during fabrication.
Scissors	To cut small paper strips to avoid solder contact at joints.
Business card grade paper.	To avoid glass to solder contact at joints. <b>Supplied in Class Kits.</b>
<b>Cleaning and Polishing</b>	
Flux cleaner	

Windex	Glass cleaning after cleaned with flus cleaner.
Some small cleanup cloths	For cleaning and polishing.
Polishing wax	
Small sticks to polish in the corners	I use popsicle sticks ends cut off and sanded a little. <b>2 supplied in Kits.</b>
<b>Flat Top Designs Only</b> Emery Boards - fine	For smoothing edges of glass top (see optional Section)

<b>Optional Items - But Expensive</b>	
Electric Polisher	An electric rotary sander with a lamb's wool polishing head.
3M Diamond Sanding Pad - Fine	For smoothing edges of glass top - <b>Flat Top Design Only</b>