

The Segmented Project Planner

Just Six steps

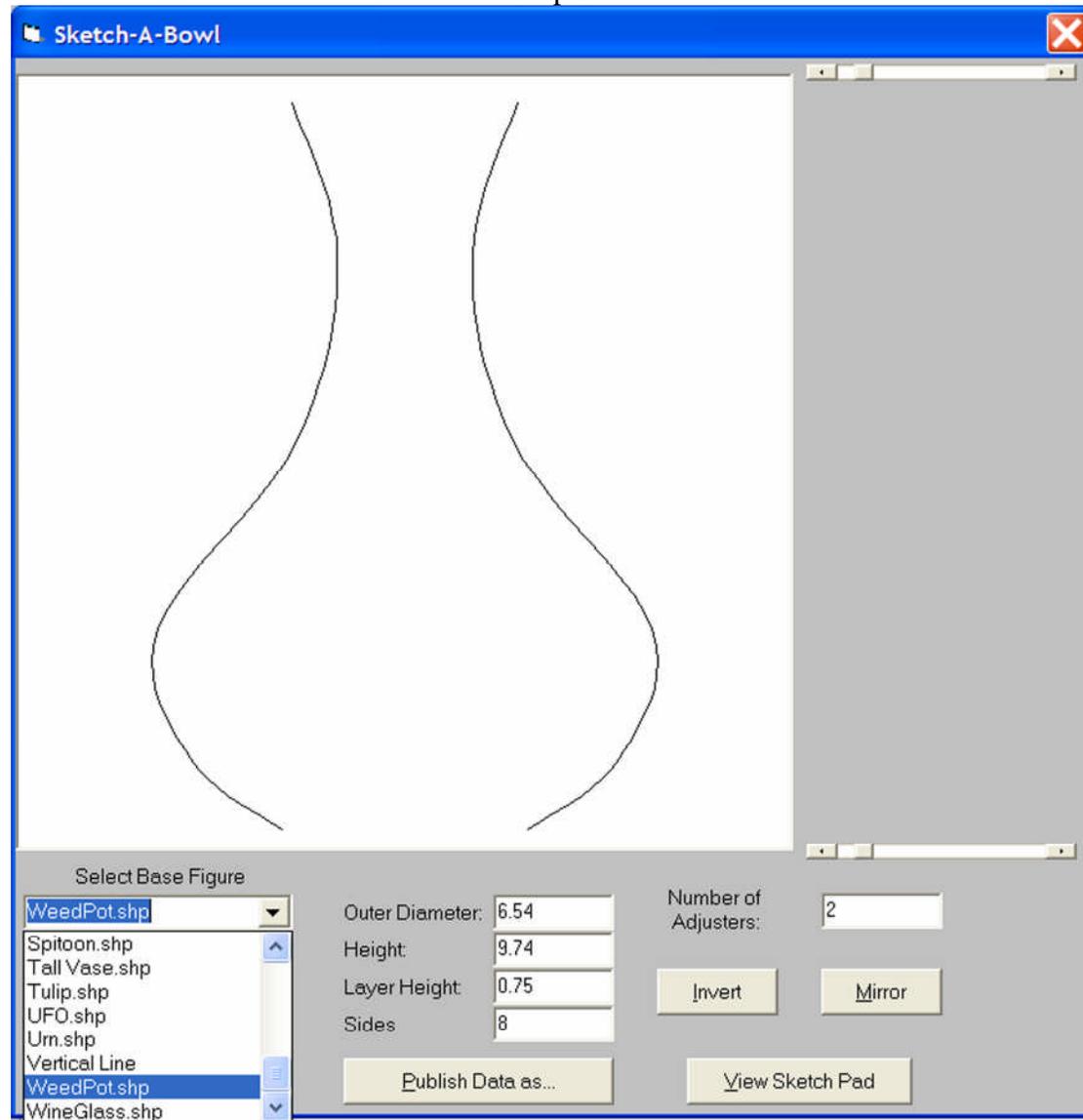
From

Idea

To

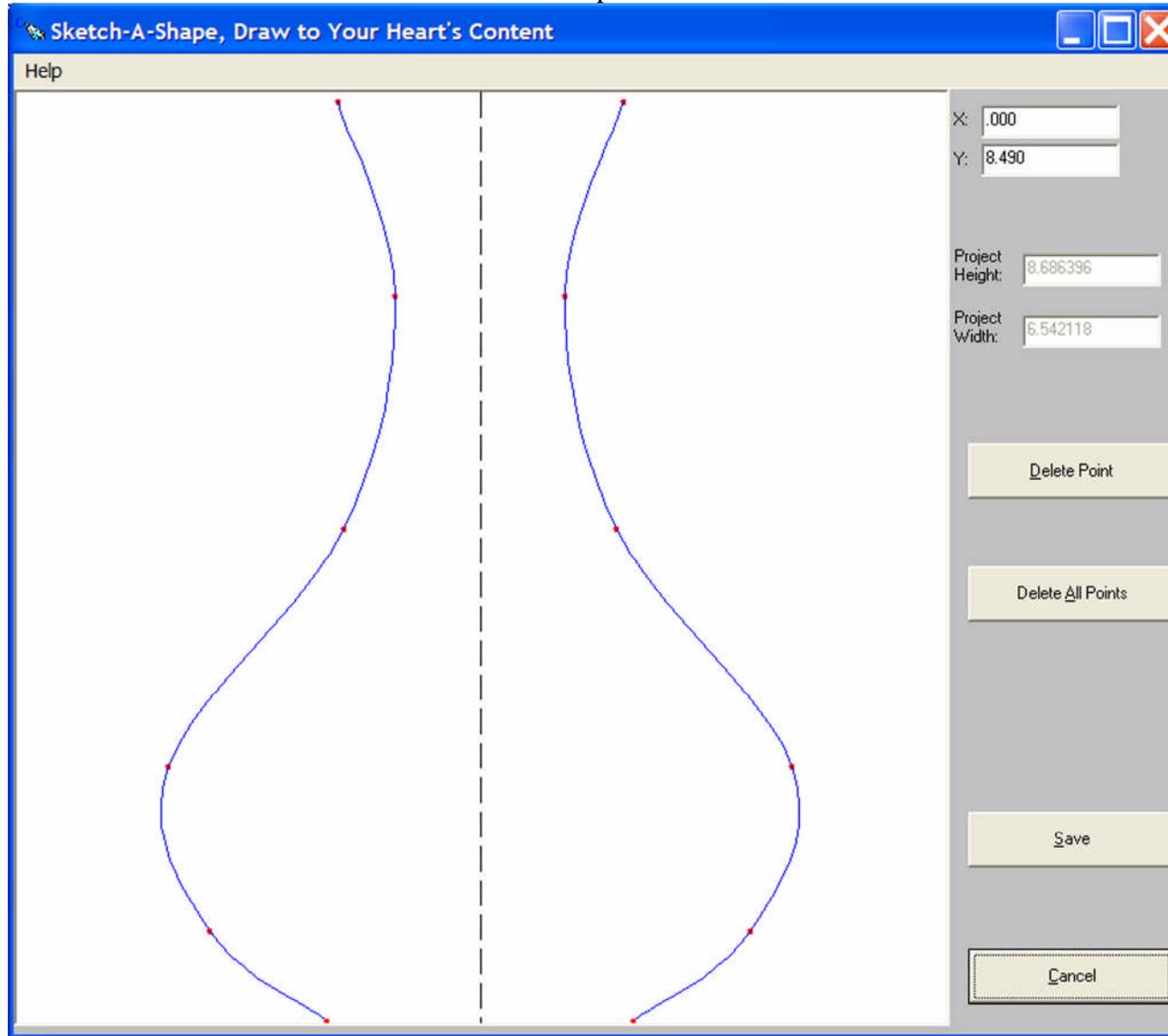
Project Plan

Step 1



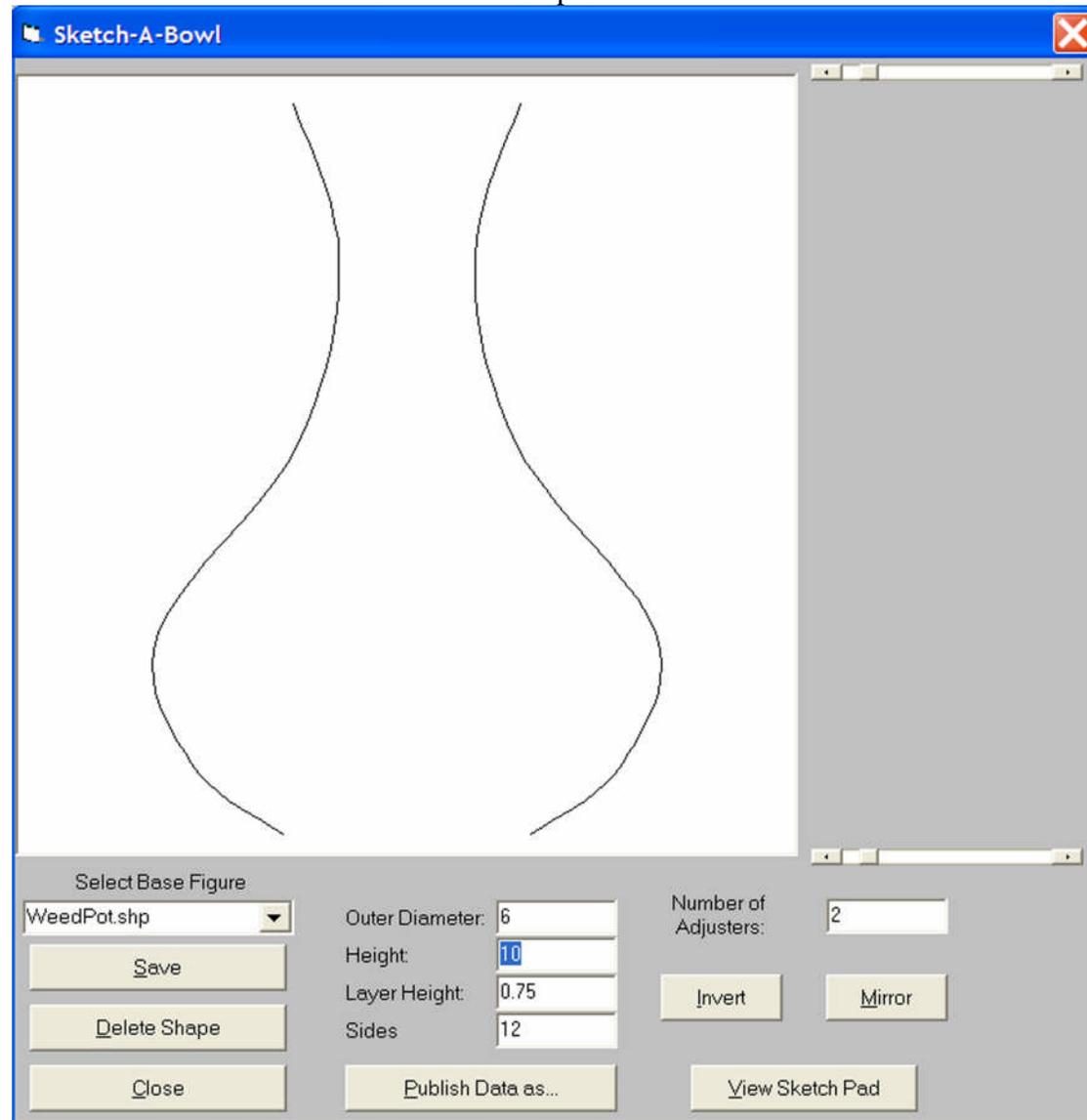
Choose a starting shape. We've selected Sketch-A-Bowl from the program's main menu and WeedPot is our selection out of 29 starter shapes included with the software. We can adjust with the sliders or we can go to the Sketch Pad to work with the individual dots.

Step 2



The Sketch Pad shows the six points that make up this figure. We can move the dots as desired and add or delete points until the shape is just right. We can even delete all the points and just start over. When we have our 'perfect' shape, Click on Save to return to Sketch-A-Bowl.

Step 3



Back in Sketch-A-Bowl, we're setting our desired project dimensions and number of sides for each ring. Then click on Publish Data as... to create the project and click Close to return to the program's main dialog.

Step 4

Segmented Project Planner*

File Edit View/Select Calculate Help

Project File: C:\01Data\SPPPProjects\new2.spr

New Project Name

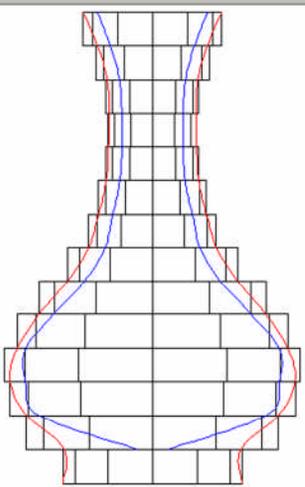
Saw Width: 1/8" Cutting Mode: Economy Grain Matching

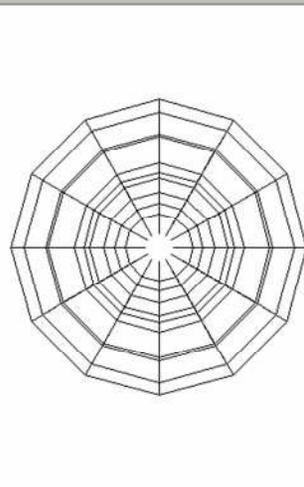
Cutting Accuracy: 1/32" Units: English, in., fractional

Glue-Up Tolerance: 1/8"

Lyr	Sides	Layer Height	Outer Diameter	Wall Thickness	Gap Width	Gap Count	Gap Material	Side Incline	Stagger	Material Thickness	Miter Angle	Blade Tilt	Edge Length	Board Length	Board Width	GlueUp Diameter	Board Foot Cost	Ring Cost
2	12	3/4"	2-3/16"	15/32"						3/4"	15.000°		21/32"	8-9/16"	9/32"	2-17/32"	\$0.00	\$0.00
3	12	3/4"	1-3/4"	5/16"						3/4"	15.000°		17/32"	7-1/16"	9/32"	2-1/16"	\$0.00	\$0.00
4	12	3/4"	1-21/32"	1/4"						3/4"	15.000°		1/2"	6-27/32"	9/32"	1-31/32"	\$0.00	\$0.00
5	12	3/4"	1-3/4"	5/16"						3/4"	15.000°		17/32"	7-1/16"	9/32"	2-1/16"	\$0.00	\$0.00
6	12	3/4"	2-1/16"	13/32"						3/4"	15.000°		5/8"	8-3/16"	9/32"	2-13/32"	\$0.00	\$0.00
7	12	3/4"	2-1/2"	15/32"						3/4"	15.000°		3/4"	9-11/16"	9/32"	2-27/32"	\$0.00	\$0.00
8	12	3/4"	3-13/32"	3/4"						3/4"	15.000°		31/32"	12-5/16"	5/16"	3-25/32"	\$0.00	\$0.00
9	12	3/4"	4-5/8"	15/16"						3/4"	15.000°		1-5/16"	16-9/32"	11/32"	5-1/16"	\$0.00	\$0.00
10	12	3/4"	5-9/16"	3/4"						3/4"	15.000°		1-9/16"	19-9/32"	11/32"	6-1/32"	\$0.00	\$0.00
11	12	3/4"	6-1/8"	7/16"						3/4"	15.000°		1-23/32"	21-5/32"	3/8"	6-19/32"	\$0.00	\$0.00
12	12	3/4"	5-29/32"	5/8"						3/4"	15.000°		1-21/32"	20-13/32"	11/32"	6-3/8"	\$0.00	\$0.00

Display Type >> Project Outline Project Detail Current Ring Local Rings





Print

ReCalc

Solid Color

Paint Ring

Open Project

Seg Design

Paint All

Save Project

Seg Image

Paint Bckgrnd

New Project

Split Layer

Clear Ring

Preferences

Combine Lyr

Clear All

Exit

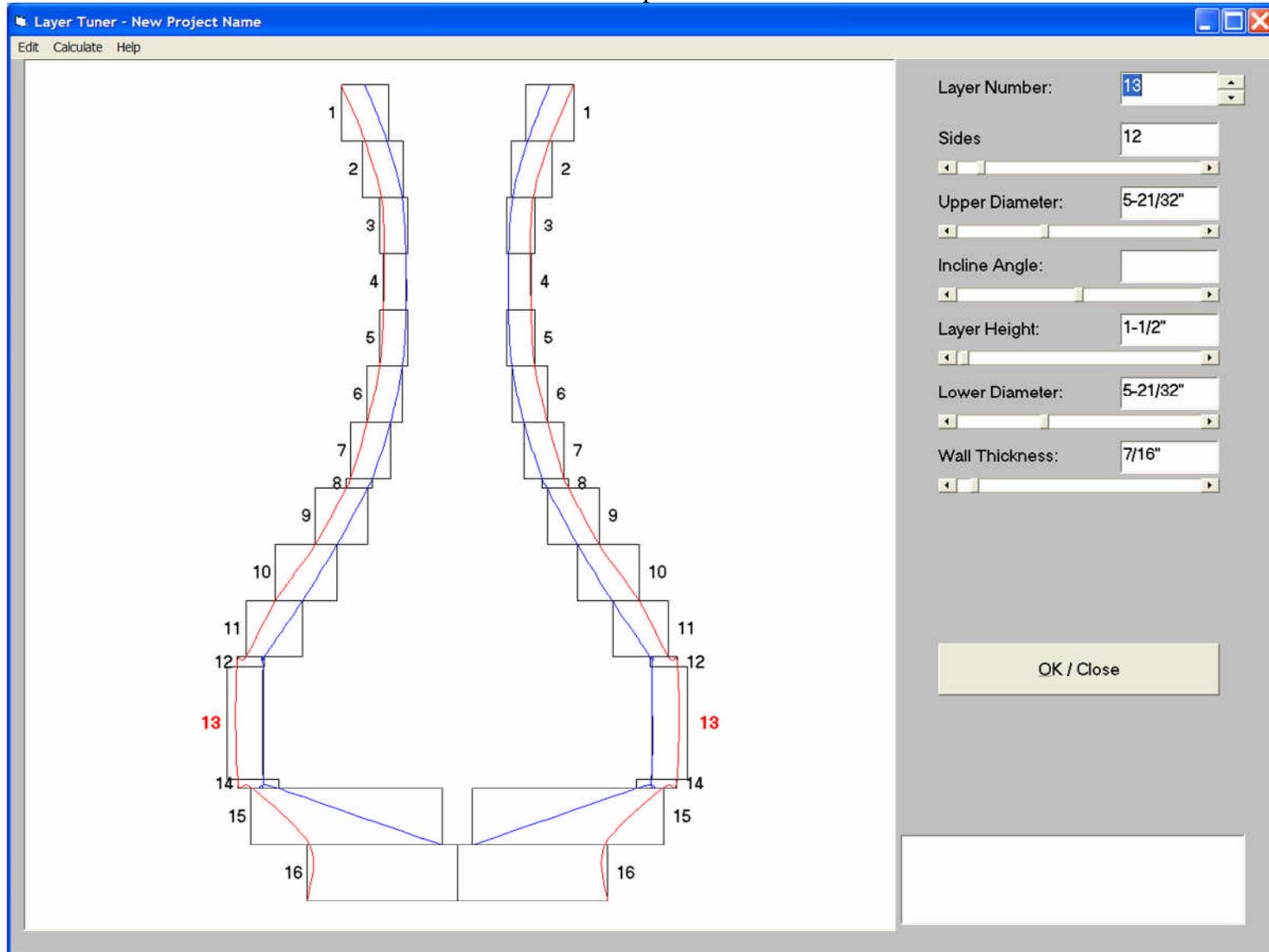
Layer 11 Side View 1X 2X 3X 4X 5X 6X 7X Top View

Proj. Hgt.: 10-1/2" Proj. Cost: \$0.00 Min. Wall: 5/32" Min. Lyr: 11

Frame Miter Layer 11 Segment 2 selected

The 'just created' project is displayed. We could print the project report and head to the shop now, having spent just a few minutes creating the design. But we want more.

Step 5



From the main menu, we've selected View|Layer Tuner so we can fine tune the design to allow for a feature ring. We've combined layers 11 and 12 into one layer and added two thin layers above and below the new layer 11 where the feature ring will reside. We've also added a thin layer between layers 7 and 8 to separate designs we'll put into those two layers later. Lastly, we fine-tuned the outer diameters to get back our shape and adjusted the wall thicknesses. Now it's back to the main dialog for some segment painting.

Step 6

Segmented Project Planner

File Edit View/Select Calculate Help

Project File: C:\01Data\SPPPProjects\new.spr

Saw Width: 1/8" Cutting Mode: Economy Grain Matching

New Project Name

Cutting Accuracy: 1/32"

Glue-Up Tolerance: 1/8" Units: English, in., fractional

Lyr	Sides	Layer Height	Outer Diameter	Wall Thickness	Gap Width	Gap Count	Gap Material	Side Incline	Stagger	Material Thickness	Miter Angle	Blade Tilt	Edge Length	Board Length	Board Width	GlueUp Diameter	Board Foot Cost	Ring Cost
1	12	3/4"	2-3/4"	9/16"						3/4"	15.000°		13/16"	8-7/8"	7/8"	3-3/32"	\$6.45	\$0.35
2	12	3/4"	2-3/16"	15/32"						3/4"	15.000°		21/32"	7-5/16"	3/4"	2-17/32"	\$6.45	\$0.25
3	12	3/4"	1-3/4"	5/16"						3/4"	15.000°		17/32"	6-9/32"	19/32"	2-1/16"	\$6.45	\$0.17
4	12	3/4"	1-21/32"	1/4"						3/4"	15.000°		1/2"	6-7/32"	17/32"	1-31/32"	\$6.45	\$0.15
5	12	3/4"	1-3/4"	5/16"						3/4"	15.000°		17/32"	6-9/32"	19/32"	2-1/16"	\$6.45	\$0.17
6	12	3/4"	2-1/16"	13/32"						3/4"	15.000°		5/8"	7-3/32"	11/16"	2-13/32"	\$6.45	\$0.22
7	12	3/4"	2-1/2"	15/32"						3/4"	15.000°		3/4"	8-7/16"	3/4"	2-27/32"	\$0.00	\$0.00
8	12	1/8"	2-5/8"	5/16"						1/8"	15.000°		25/32"	9-9/32"	5/8"	2-31/32"	\$6.45	\$0.04
9	12	3/4"	3-13/32"	5/8"						3/4"	15.000°		31/32"	10-3/4"	15/16"	3-25/32"	\$0.00	\$0.00
10	12	3/4"	4-7/16"	3/4"						3/4"	15.000°		1-1/4"	13-21/32"	1-3/32"	4-27/32"	\$6.45	\$0.67
11	12	3/4"	5-3/16"	11/16"						3/4"	15.000°		1-15/32"	16-7/16"	1-1/32"	5-5/8"	\$6.45	\$0.76

Display Type >> Project Outline Project Detail Current Ring Local Rings

Print ReCalc

Solid Color Paint Ring Open Project

Seg Design Paint All Save Project

Seg Image Paint Bckgrnd New Project

Split Layer Clear Ring Preferences

Combine Lyr's Clear All

Current Color=Maple

Exit

Layer 8 Side View 1X 2X 3X 4X 5X 6X 7X Top View

Proj. Hgt.: 10-7/8" Proj. Cost: \$5.85 Min. Wall: 7/32" Min. Lyr: 12

Frame Miter Layer 8 Segment 2 selected

Back in the main dialog, we have a wealth of things we can use for painting segments. 20 solid wood colors, 37 mosaic designs, 55 wood pictures, and 5 other segment designs are included with the software. We've painted the feature ring segments with a Hopi design that will be constructed in the fashion of a cookie log and put a 1/8" frame of Ebony around each segment using vertical spacers and the two thin layers we added. Above that, we've painted two rings with chevrons. The last act was to paint the background (all the unpainted segments) with Maple. We're now ready to print the project report and take it to the shop.

Segmented Project Planner - Project Details

9/7/2006 9:44:30 AM

Saw Width: 1/8"
 Cutting Accuracy: 1/32"
 Glue Up Tolerance: 1/8"

New Project Name
 C:\01Data\SPPProjects\new.spr

Cutting Mode: Economy
 Units: English, in., fractional

Layer	Sides	Material	Qty	Layer Height	Outer Diameter	Wall Thickness	Side Incline/ P.A.G. Setting	Material Stagger	Material Thickness	Miter Angle	Blade Tilt	Edge Length	Board Length	Board Width	GlueUp Diameter	Unit Cost	Ring Cost
1	12	Maple	12	3/4"	2-3/4"	9/16"			3/4"	15.000°		13/16"	8-7/8"	7/8"	3-3/32"	\$6.45	\$0.35
2	12	Maple	12	3/4"	2-3/16"	15/32"			3/4"	15.000°		21/32"	7-5/16"	3/4"	2-17/32"	\$6.45	\$0.25
3	12	Maple	12	3/4"	1-3/4"	5/16"			3/4"	15.000°		17/32"	6-9/32"	19/32"	2-1/16"	\$6.45	\$0.17
4	12	Maple	12	3/4"	1-21/32"	1/4"			3/4"	15.000°		1/2"	6-7/32"	17/32"	1-31/32"	\$6.45	\$0.15
5	12	Maple	12	3/4"	1-3/4"	5/16"			3/4"	15.000°		17/32"	6-9/32"	19/32"	2-1/16"	\$6.45	\$0.17
6	12	Maple	12	3/4"	2-1/16"	13/32"			3/4"	15.000°		5/8"	7-3/32"	11/16"	2-13/32"	\$6.45	\$0.22
7	12	Chevron-Lacewood	12	3/4"	2-1/2"	15/32"			3/4"	15.000°		3/4"	8-7/16"	3/4"	2-27/32"	\$0.00	\$0.00
8	12	Maple	12	1/8"	2-5/8"	5/16"			1/8"	15.000°		25/32"	9-9/32"	5/8"	2-31/32"	\$6.45	\$0.04
9	12	Chevron-Lacewood	12	3/4"	3-13/32"	5/8"			3/4"	15.000°		31/32"	10-3/4"	15/16"	3-25/32"	\$0.00	\$0.00
10	12	Maple	12	3/4"	4-7/16"	3/4"			3/4"	15.000°		1-1/4"	13-21/32"	1-3/32"	4-27/32"	\$6.45	\$0.67
11	12	Maple	12	3/4"	5-3/16"	11/16"			3/4"	15.000°		1-15/32"	16-7/16"	1-1/32"	5-5/8"	\$6.45	\$0.76
12	12	Ebony	12	1/8"	5-7/16"	11/32"			1/8"	15.000°		1-17/32"	17-31/32"	11/16"	5-7/8"	\$30.00	\$0.43
13	12	Hopi Emblem Ebony Spc	12	1-1/2"	5-21/32"	7/16"			1-1/2"	15.000°		1-15/32"	17-3/32"	25/32"	6-1/8"	\$0.00	\$0.00
			12	1-1/2"					1/8"			1/8"	19-1/2"	25/32"			
14	12	Ebony	12	1/8"	5-13/32"	1/2"			1/8"	15.000°		1-17/32"	17-1/2"	27/32"	5-27/32"	\$30.00	\$0.51
15	12	Maple	12	3/4"	5-1/16"	2-11/32"			3/4"	15.000°		1-7/16"	11-11/16"	2-21/32"	5-1/2"	\$6.45	\$1.39
16	12	Maple	12	3/4"	3-5/8"	1-13/16"			3/4"	15.000°		1-1/32"	8-11/16"	1-15/16"	4"	\$6.45	\$0.75

Project Height 10-7/8"

Material Cost \$5.85

