

Creating a cabinet template with a cutlist

Up until now there have been two ways programs generate cut lists. One way was for the user to set up parameters in the program like Cabnetware, Cabinet Vision, Cabinet Solutions, etc or use formulas like in Pattern System and DecoTech. Both systems have their advantages and disadvantage and are not easy to set up depending on how you make your cabinets.

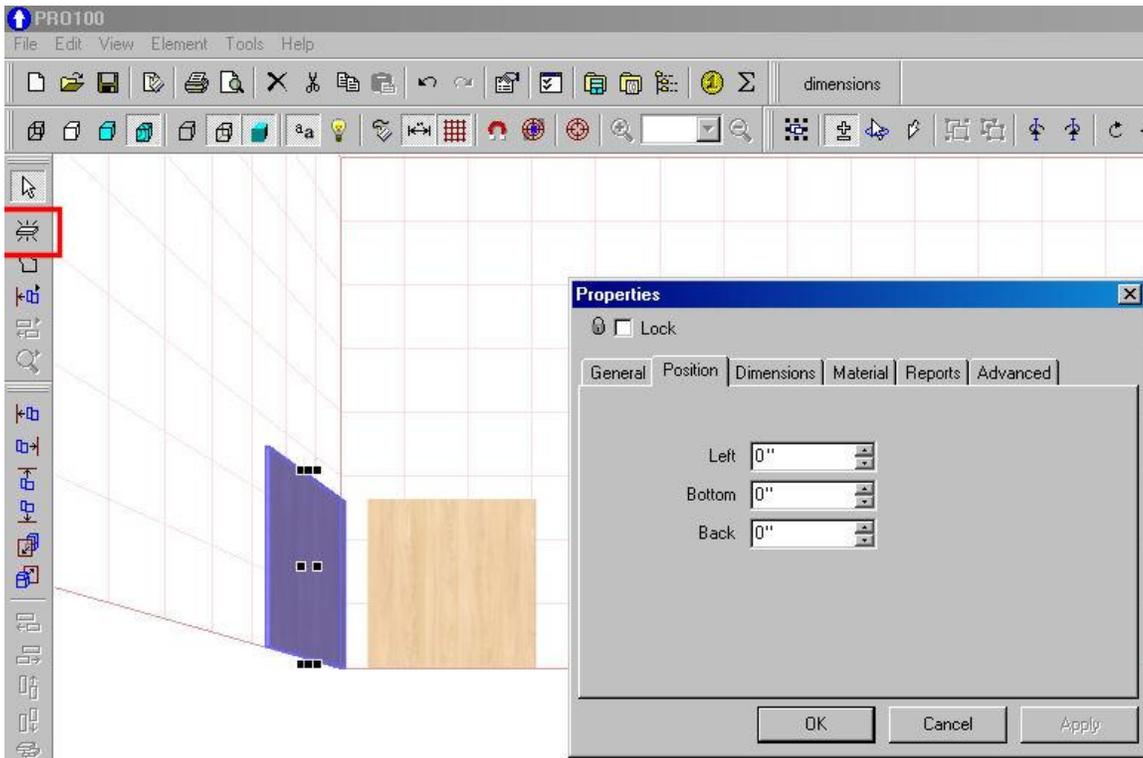
Pro100 has a new way to create cabinets and create a cut list. You build a cabinet the way you would in your shop. What you see is what you get, it is that simple. You build the cabinet using what ever method you want because when you create a part for your cabinet in Pro100, you are creating your cutlist. If you follow some simple rules you can change the size of the cabinet and the cutlist is updated. Think of this cabinet as your template for all wall cabinets because you can re-size it to what ever size cabinet you will need in the future.

Creating a cabinet part

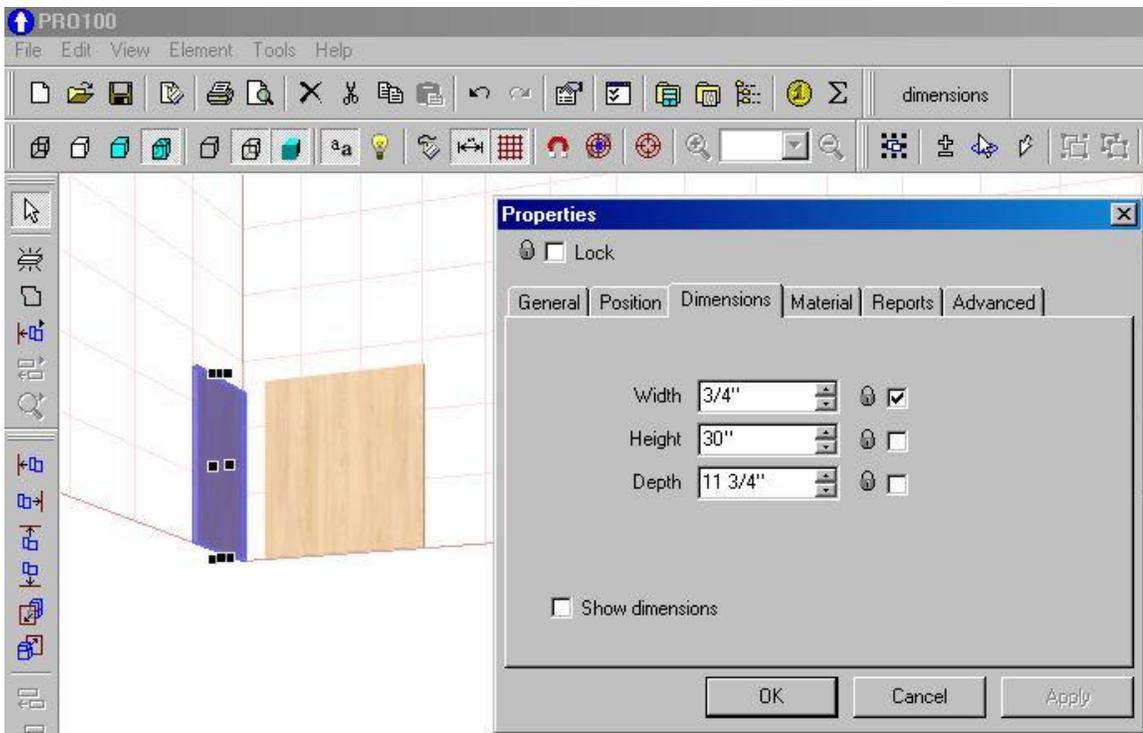
Things you should know

1. **Copy Elements:** Click on element, drag to new location, at the same time right click. There will now be a new element at the location you first clicked on the original element.
2. **Name Parts:** If you are going to export a cutlist you need to name the parts twice, once in the General Tab and once in the Advance Tab. Example Side and in the advance tab [Side]. You have to have the square brackets or it will not work.
3. **Measurements:** You will want to show the dimension of the cabinet but not the parts. So un-check Show Measurement when you create parts.
4. **Group Objects:** A group object is any two or more elements combined to create a new object. A cabinet is a group object and can be named, resized and show its dimensions in the drawings.
5. **Parts Scaling:** Parts will scale properly if you follow a few simple rules. Empty spaces will resize so use spacers. If you look at this example you will see that I use a spacer that you can not see in the finished product between doors. I do this because I want the space to remain at 1/8" regardless of the size I make the two doors. If I had only a 1/8" space, that space would change when I resized the two doors. The 1/8" spacer's dimension is locked at that size. Also the thicknesses of all parts are locked.
6. **Moving an Element through another Element:** If you are moving an element and another element is in the way, just hold down the shift key and it will move through the element.

Let's make a Euro Wall cabinet then turn it into a face frame cabinet with the back rabbeted in to the sides 1/2".



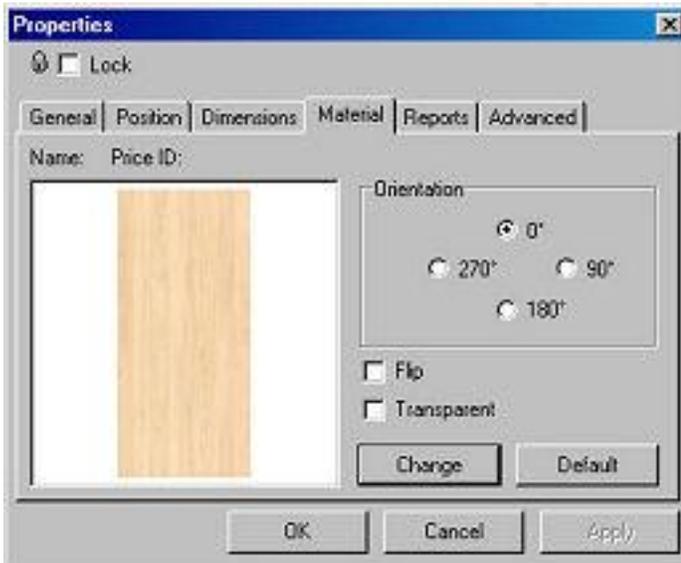
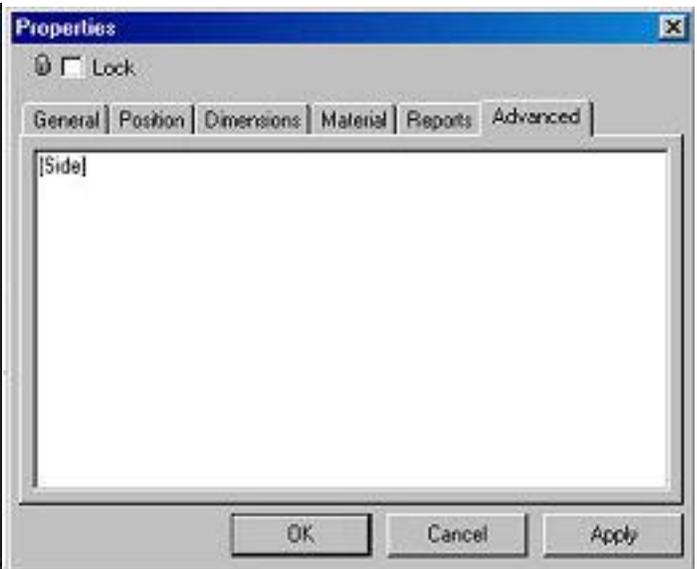
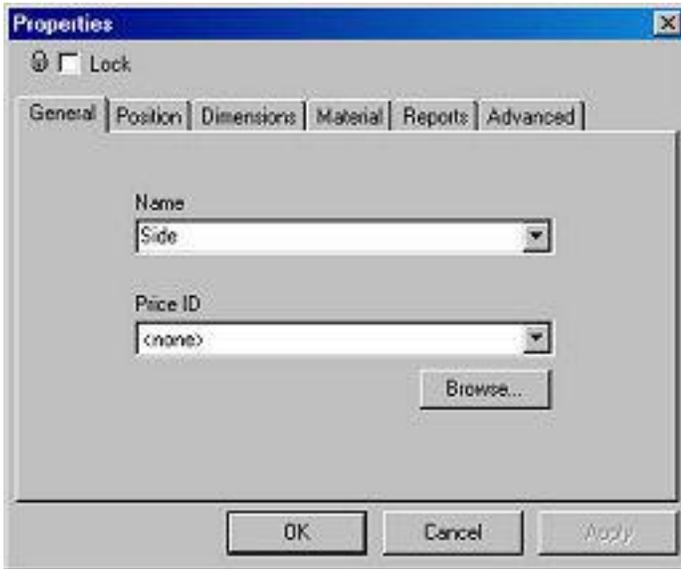
1. Create the part by clicking on New Element (Red Square) then click on the west wall. After you do this, double click on the element. You will see the Properties Dialog Box. Click on Position. The bottom left corner of the room is 0, 0, 0 and is where I create all new objects. It makes for a good reference point for all parts of an object. This will be a side so position the side at 0, 0, 0.



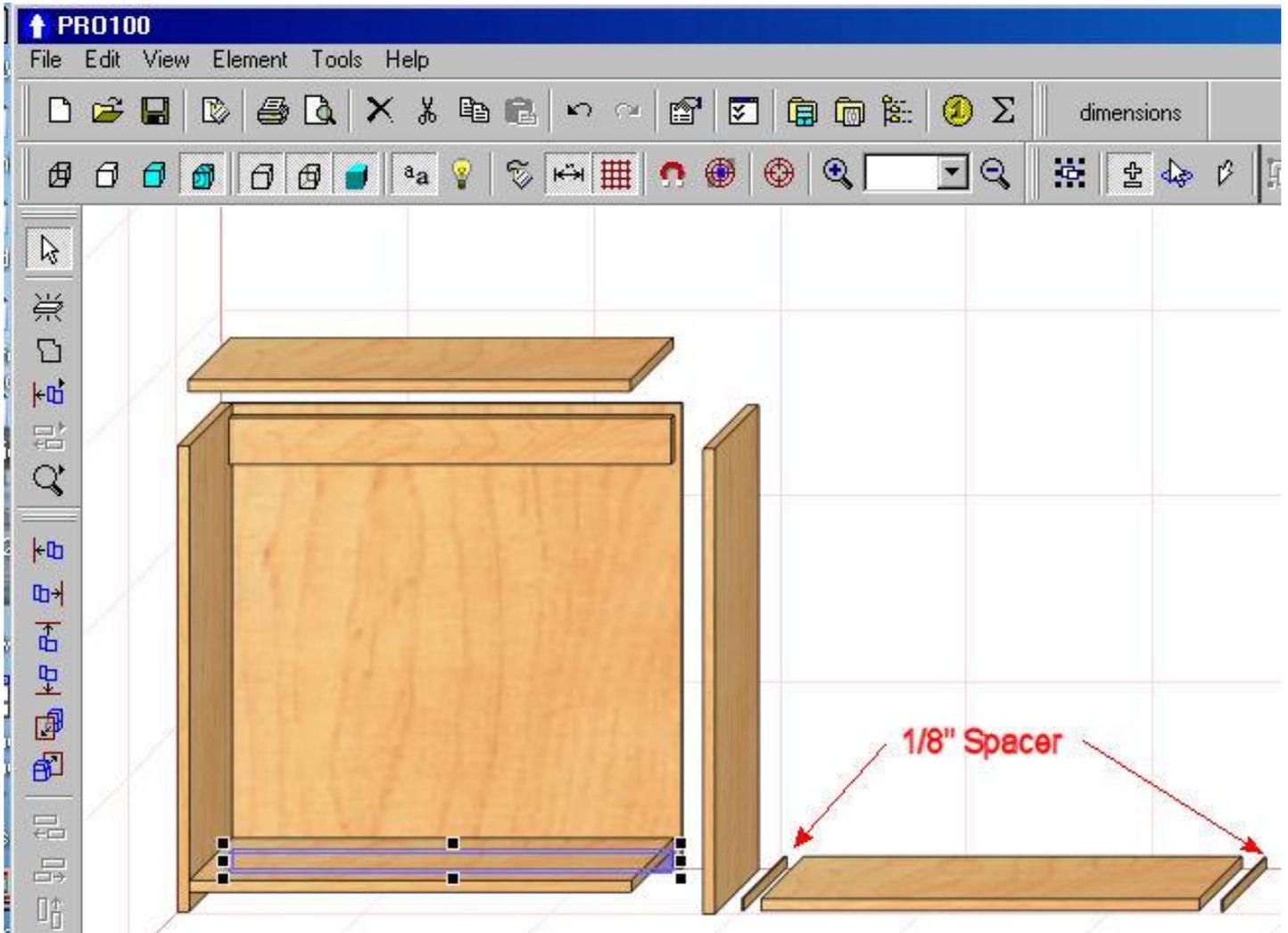
2. Next size the part. You will notice that you can lock the size of a part. We are making the cabinet with $\frac{3}{4}$ " material so lock the side at $\frac{3}{4}$ ". When the cabinet is stretched the side thickness will not change. Un-click Show dimension. You will want to see the size of the cabinet not each part.

We will create a Euro cabinet using these parts.

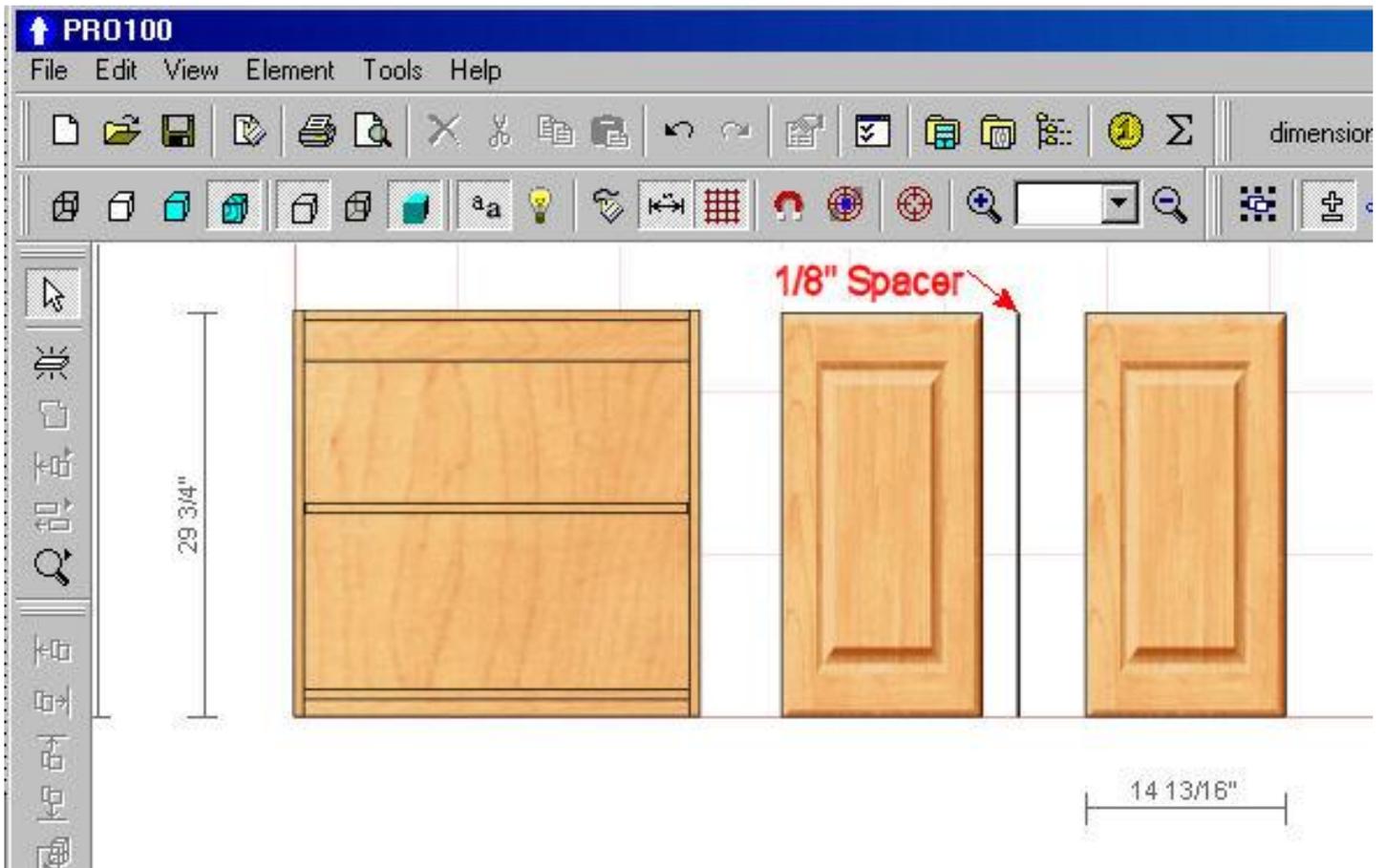
Top	11"	28 1/2"	3/4"	1	Maple H Panel
Bottom	11"	28 1/2"	3/4"	1	Maple H Panel
Sides	30"	11 1/4"	3/4"	2	Maple H Panel
Adj Shelf	11"	28 1/4"	3/4"	1	Maple H Panel
Back	30"	29 1/2"	1/4"	1	Maple H Panel
Nailer	3"	28 1/2"	3/4"	1	Maple H Panel
Nailer	1 1/4"	28 1/2"	3/4"	1	Maple H Panel
Spacer	11"	1/8"	3/4"	2	Maple H Panel
Door	29 3/4"	14 13/16"	3/4"	2	Maple Raised Panel



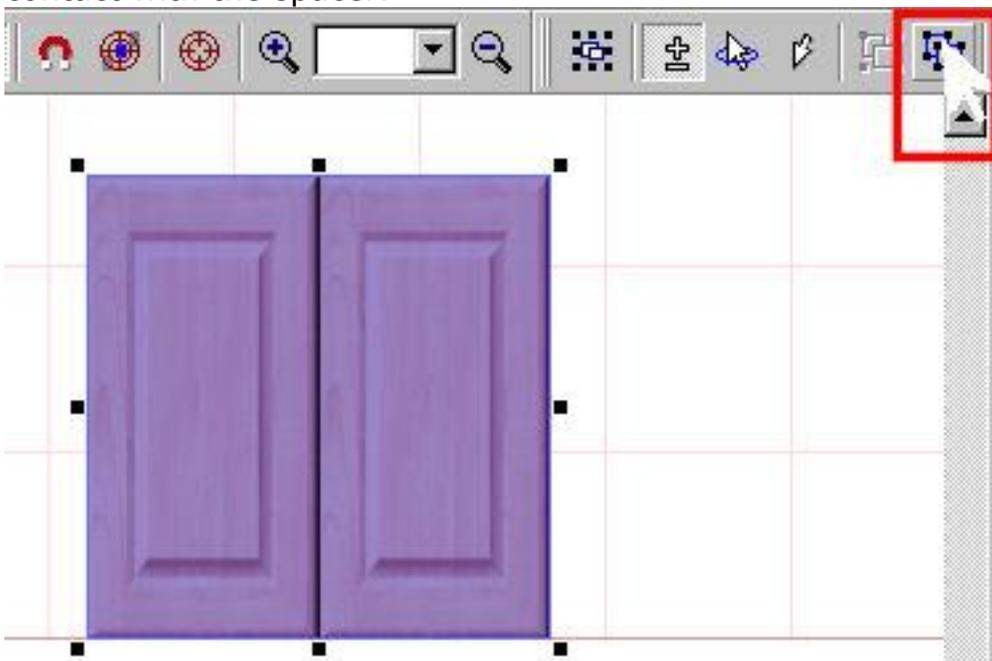
When you create a cabinet part make sure the Property dialog boxes look like these.



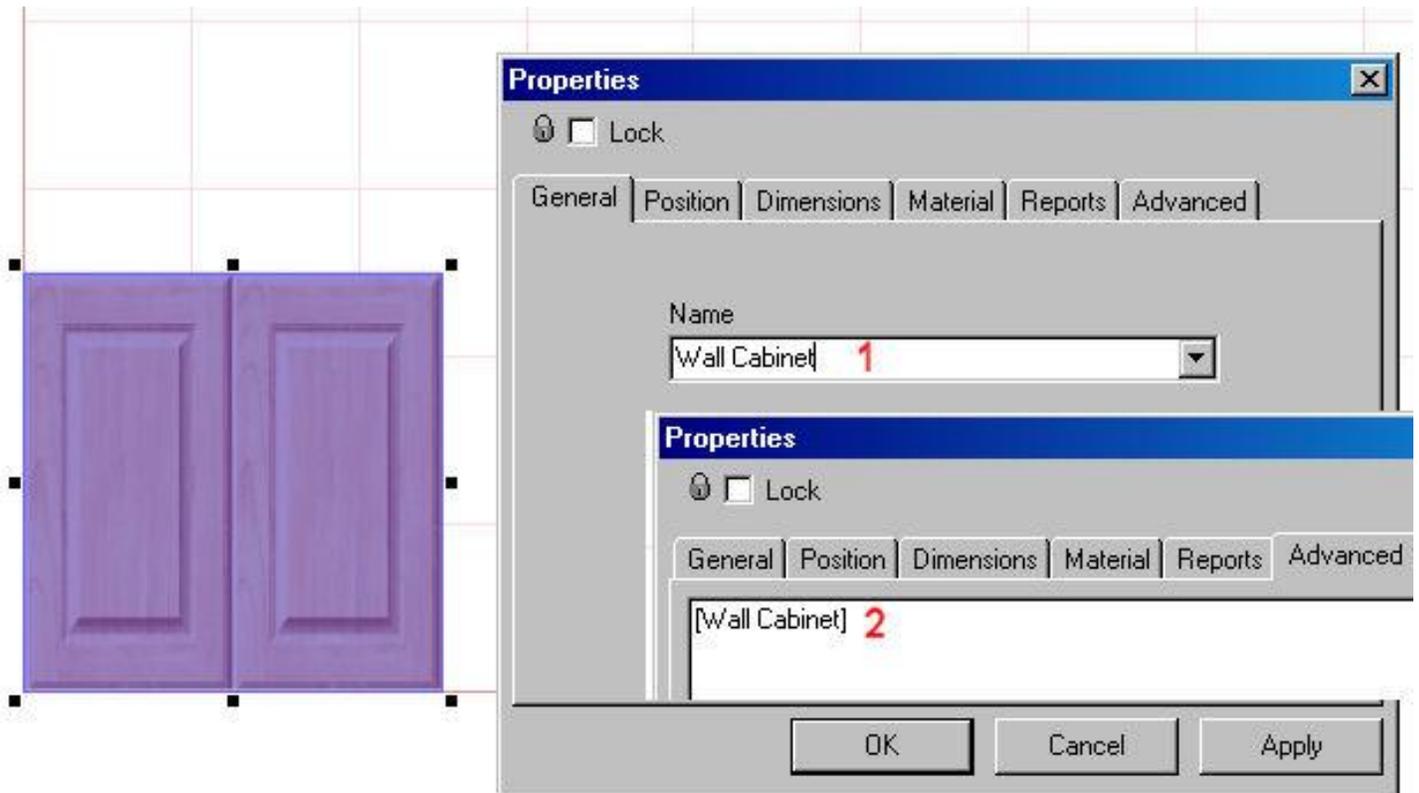
Next create all the part of the cabinet you see in this picture. Use the copy command to duplicate parts. Create the adjustable shelf with the spacer then group the three parts. You can now move the three as one shelf. Make sure you fix the width of the spacers so when the cabinet is resized later that the shelf will scale properly.



I have the Show Measurement checked so you can see the size of the door. I will uncheck when I put the cabinet together. Notice the 1/8" spacer between the doors. As with all spacers do not check the show elements or put the name in the advanced tab. You do not want to show spacers in your cutlist. Now move the doors so they are in contact with the spacer.



Group the two doors and spacer. Now position the doors 1/8" from left and 1/8" from bottom and 11 1/4 from the back.



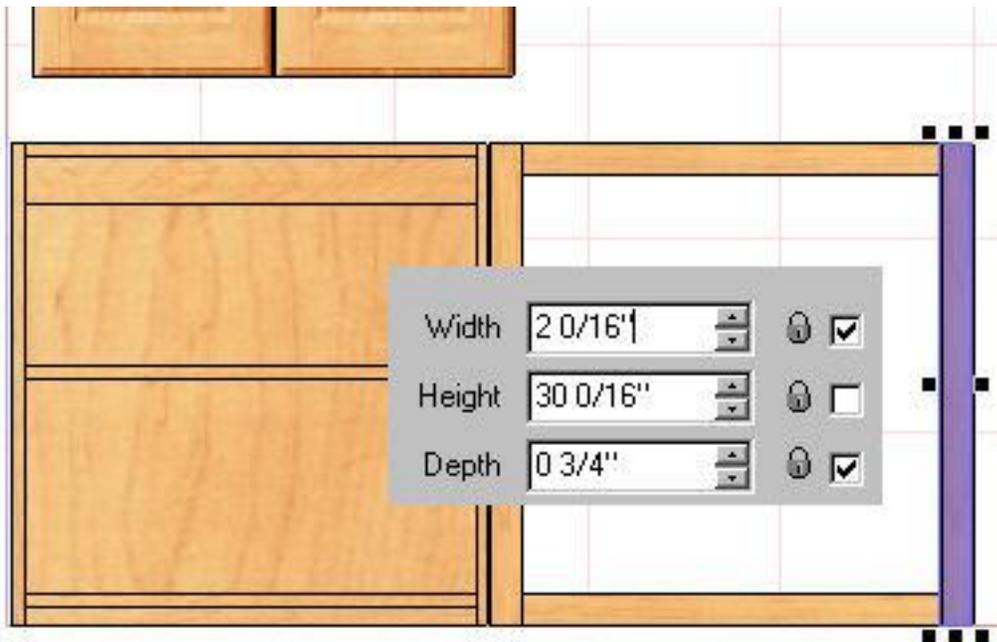
You are done when you name the cabinet. Because you can size the cabinet to any size you want all you have to do is name it Wall Cabinet in two places. The Advanced tab name is used by the export function.

Now that we have a Euro Cabinet lets make it a Face Frame Cabinet.

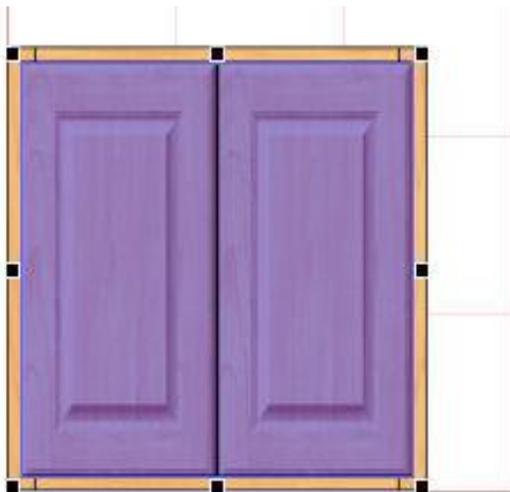
Face Frame Cabinet

We will make a face frame that has:

1. 2 inch stiles and rails
2. Made from $\frac{3}{4}$ " stock
3. $\frac{1}{4}$ inch scribe allowance
4. 1 inch overlay



Make sure you lock the depth of the stock and the width of the stiles and rails.

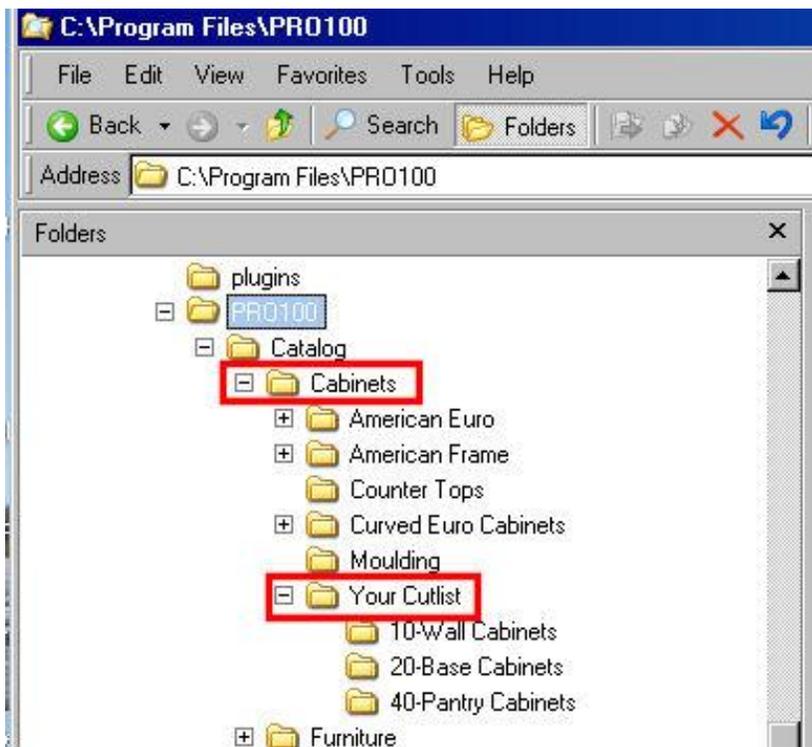


1. Resize the cabinet box to 29 ½" X 30 to allow for the scribe. Make the left position ¼".
2. Place the face frame at left 0, bottom 0 and back 11 ¼"
3. Resize the cabinet doors to 28" by 28"
4. Position the doors left 1", bottom 1" and back 12".
5. Group all the parts together.
6. Name the cabinet in both places as before when you created the euro cabinet.

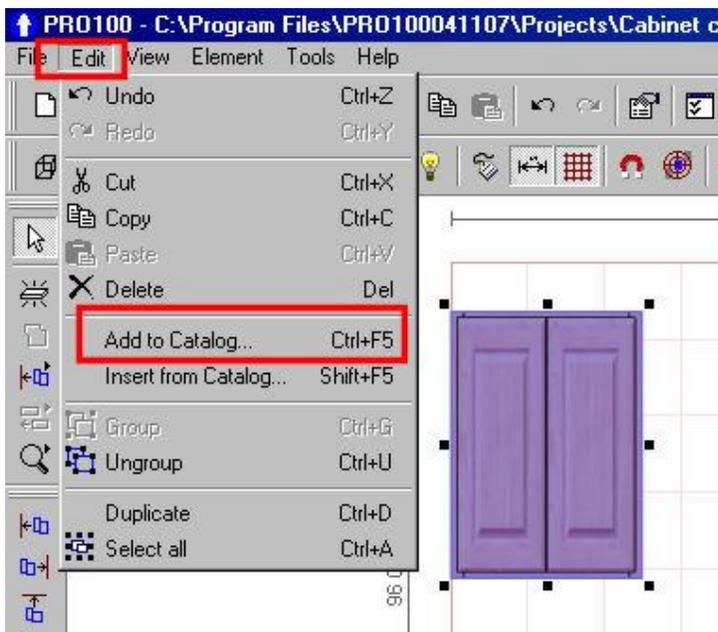
You are done. Now click on File/Export/Cutlist to see your results, or the other reports.

Save the Cabinet as a template for later use.

You can not create new folders from inside Pro100. So if you need new folders create them in Explorer.



You will notice that I created a folder called Your Cutlist with several sub-folders. You can do the same so it is easy for you to find the cabinets you create with your construction standards. Name the folders what ever you want. When you create your folder make sure it is a sub-folder of the folder Cabinets.



To add the cabinet to your catalog of cabinet first highlight the cabinet then click on Edit or do a Ctrl+F5.

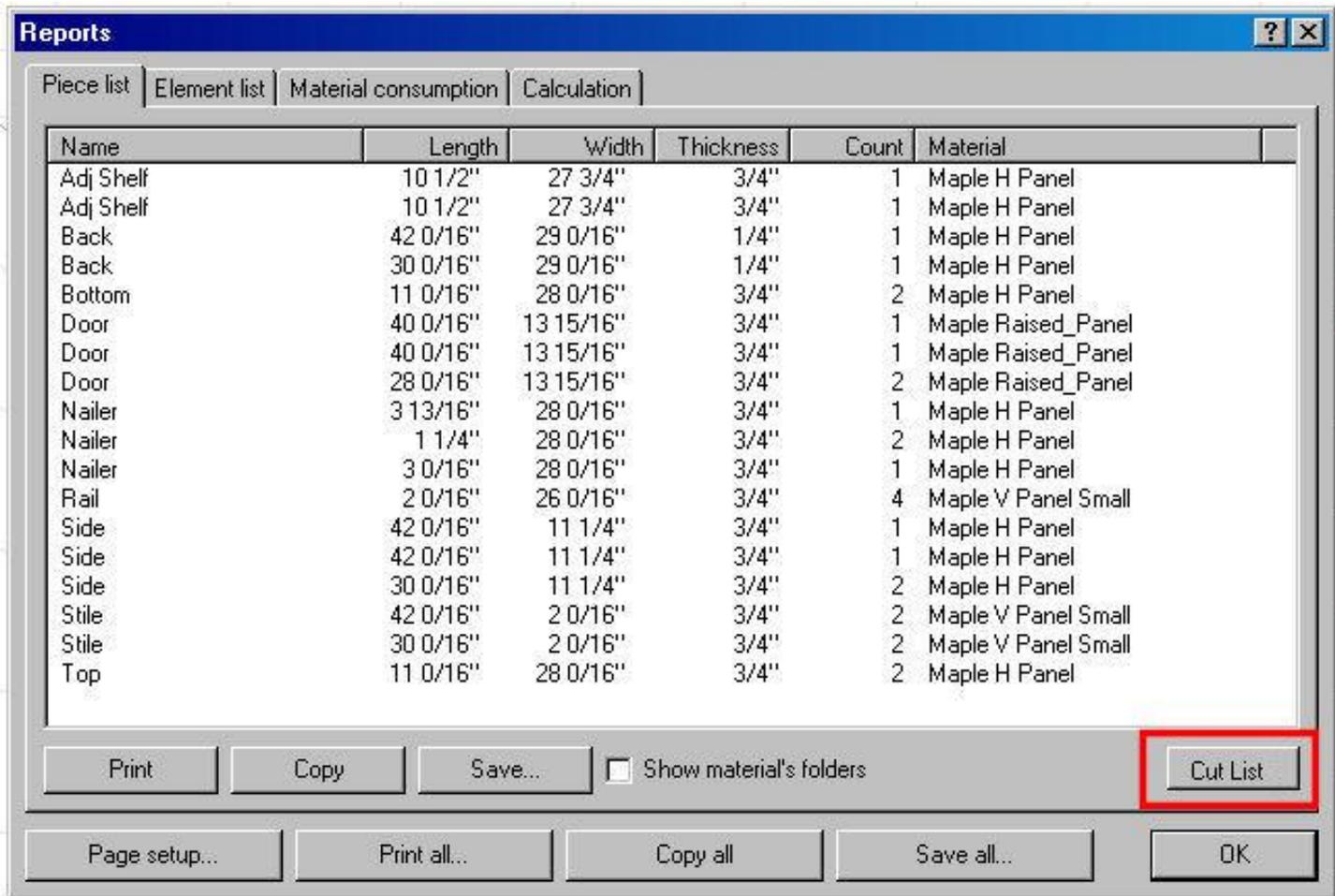
Find the folder you want to save the cabinet to, name the cabinet then click on Save.

You now have a cabinet that you can re-size and use to create a kitchen. It will give you an accurate cutlist if done correctly.

Now is the time for some testing and then you are finish. Now do the same for other types of cabinets you will need.

Reports

You have a lot of choices as to what cutlist you want. By making a few changes in the Cutlist Template.txt files you will not have a problem creating different text files. If you create a csv file or delimited file you can import the cutlist into Excel which will allow you to sort and manipulate your cutlist to your hearts content.



Click on Tools/Reports and Calculation to get this report dialog box. Click on Cut List for the following Test File Report.

Cut list

Order #: None
 Date: 1/4/2016
 Customer: Test cutlist 2
 Designer: Emmanuel
 Comments: Wall Cabinet Cut List Template

Cabinet: Wall Cabinet 3-4 Materials -2 (42" x 30" x 12 3/4")

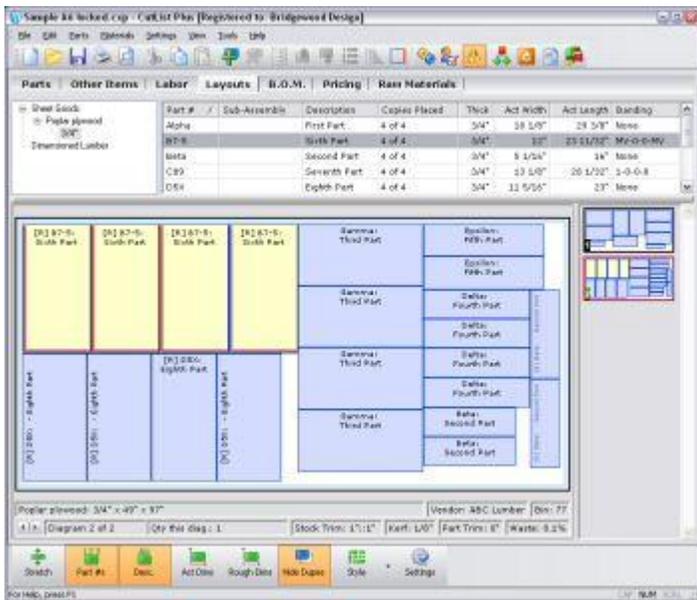
Door 40"	13 15/16"	3/4"	Raised Panel\Maple Raised_Panel.jpg	
Door 40"	13 15/16"	3/4"	Raised Panel\Maple Raised_Panel.jpg	
Side 42"	11 1/4"	3/4"	Maple Wood\Maple H Panel.jpg	
Back 42"	29"	1/4"	Maple Wood\Maple H Panel.jpg	
Side 42"	11 1/4"	3/4"	Maple Wood\Maple H Panel.jpg	
Bottom	11"	28"	3/4"	Maple Wood\Maple H Panel.jpg
Nailer3	13/16"	28"	3/4"	Maple Wood\Maple H Panel.jpg
Nailer1	1/4"	28"	3/4"	Maple Wood\Maple H Panel.jpg
Top	11"	28"	3/4"	Maple Wood\Maple H Panel.jpg

Stile	42"	2"	3/4"	Maple Wood\Maple V Panel Small.jpg
Rail	2"	26"	3/4"	Maple Wood\Maple V Panel Small.jpg
Rail	2"	26"	3/4"	Maple Wood\Maple V Panel Small.jpg
Stile	42"	2"	3/4"	Maple Wood\Maple V Panel Small.jpg
Adj Shelf	10 1/2"	27 3/4"	3/4"	Maple Wood\Maple H Panel.jpg

Cabinet: Wall Cabinet 3-4 Materials (30" x 30" x 12 3/4")

Door	28"	13 15/16"	3/4"	Raised Panel\Maple Raised_Panel.jpg
Door	28"	13 15/16"	3/4"	Raised Panel\Maple Raised_Panel.jpg
Side	30"	11 1/4"	3/4"	Maple Wood\Maple H Panel.jpg
Back	30"	29"	1/4"	Maple Wood\Maple H Panel.jpg
Side	30"	11 1/4"	3/4"	Maple Wood\Maple H Panel.jpg
Bottom	11"	28"	3/4"	Maple Wood\Maple H Panel.jpg
Nailer3"	28"	3/4"		Maple Wood\Maple H Panel.jpg
Nailer1 1/4"	28"	3/4"		Maple Wood\Maple H Panel.jpg
Top	11"	28"	3/4"	Maple Wood\Maple H Panel.jpg
Stile	30"	2"	3/4"	Maple Wood\Maple V Panel Small.jpg
Rail	2"	26"	3/4"	Maple Wood\Maple V Panel Small.jpg
Rail	2"	26"	3/4"	Maple Wood\Maple V Panel Small.jpg
Stile	30"	2"	3/4"	Maple Wood\Maple V Panel Small.jpg
Adj Shelf	10 1/2"	27 3/4"	3/4"	Maple Wood\Maple H Panel.jpg

Layout Optimization



You can set up the cutlist output template so that you can interface with cut list

Please call if you have any question 574-299-5330 or visit Pro100usa.com