

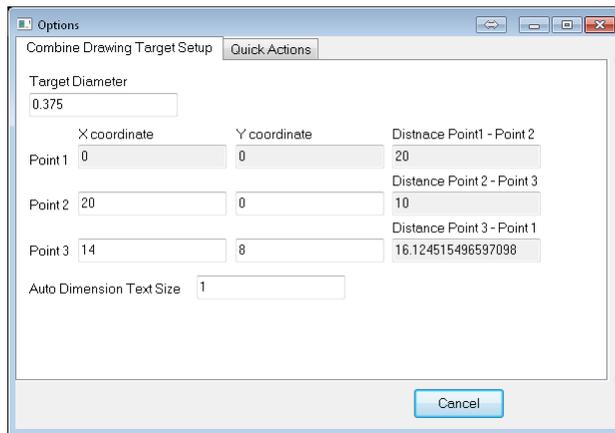
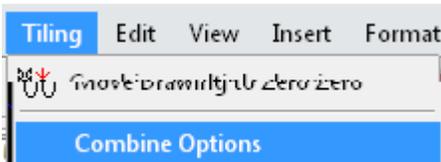


AllenCAD 7.2 Features

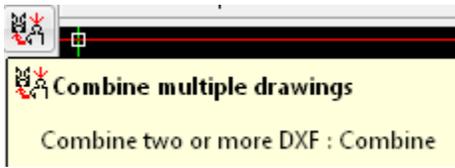
Abstract: This technical support bulletin describes the new features of AllenCAD 7.2. The combine command takes two files show with the measuring device and rotates and positions them in the same drawing. The cleanup function takes two lines that are in the resultant file and joins them together. The Draw European Cut Line allows placing a special line in the countertop to force a split at the line. The auto dimension adds dimension text along lines in the drawing. Last Update 9-15-14

Combine Command

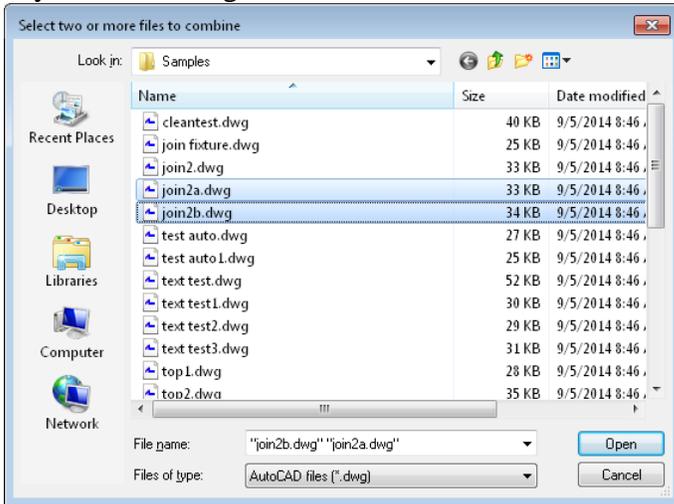
Place the target tool (ADSI. Part # LT-00-02-001) so that all three posts can be measured from each of the measuring locations. The target is 3 posts positioned in a triangular arrangement. You include the measurements of the 3 posts starting with the tallest post and going to the shortest post. Do not move the target until all measuring is complete from both locations.



To start the combine function after setting the post locations and diameter click on combine tool.

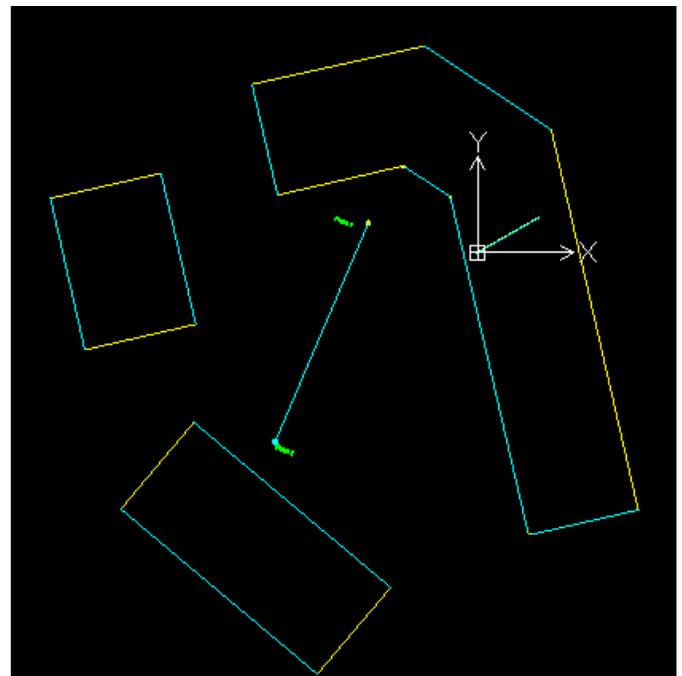
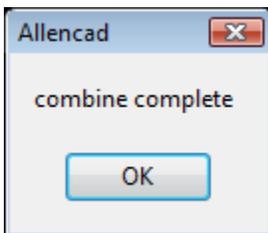


The program will then ask for all the files you want to combine. Use the shift key or ctrl key while clicking on the filenames to select all the files you want to combine.



If the combine command can find the target within each drawing the command will display combine complete dialog with each file in a different color and layer. If the combine command cannot find the target in the file, the program will then display the 1st file. You will then have to select two lines of the combine tool, then right click.

The program will then display the 2nd file. Select the two lines of the tool again and right click. Upon completion of the combine the program will display a complete message and the combined file.



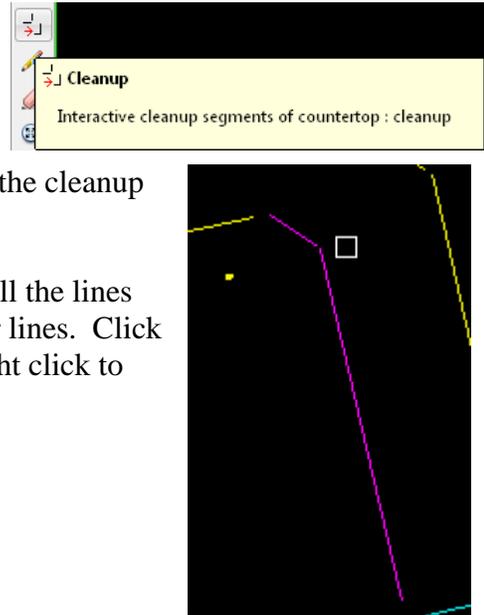
The location of the measuring tool for each file is shown with a circle with a cross hair.

Cleanup Command

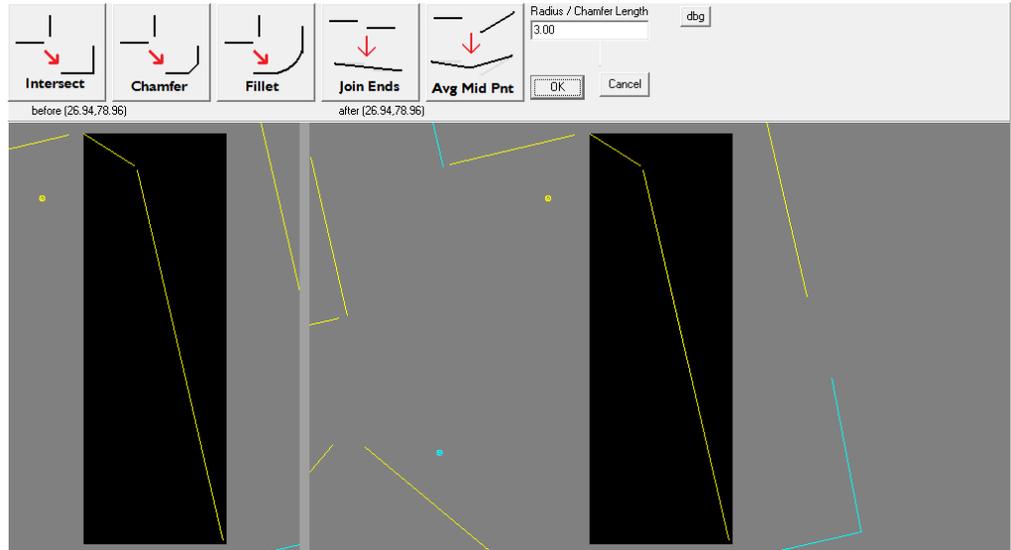
You can use the interactive Cleanup command to fix up the end points of the imported file. To use the cleanup tool, first click on the cleanup tool.

Note: You do not need to have a two-part file to use the cleanup tool.

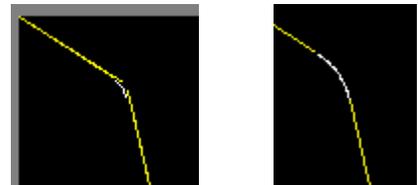
If you are cleaning up a two-part file, first clean up all the lines that are the same color. Then join the different color lines. Click on two adjacent lines on the countertop, and then right click to open the join option dialog.



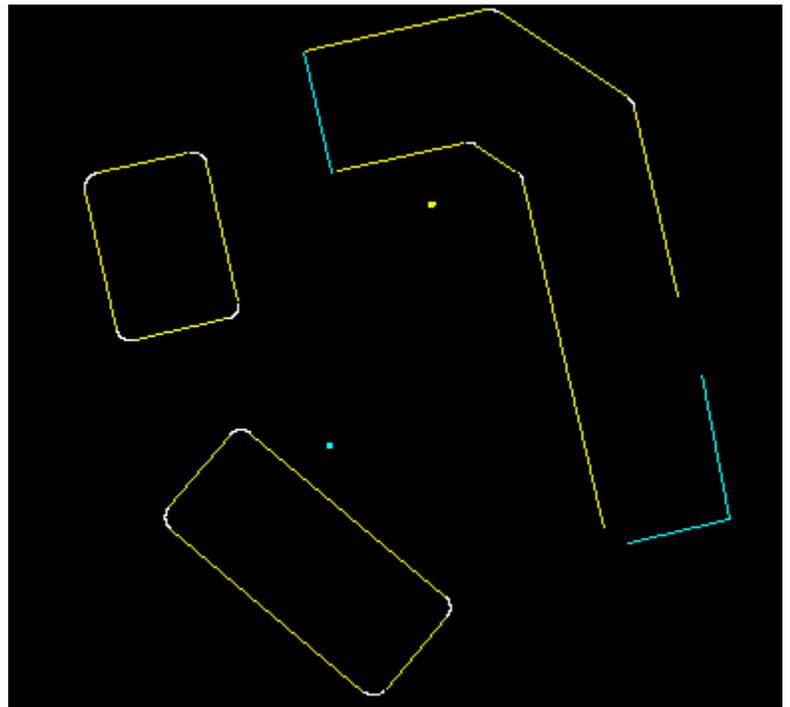
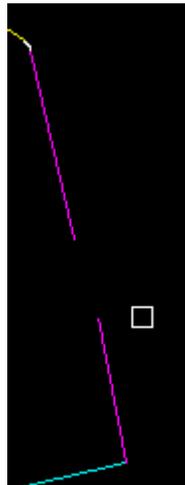
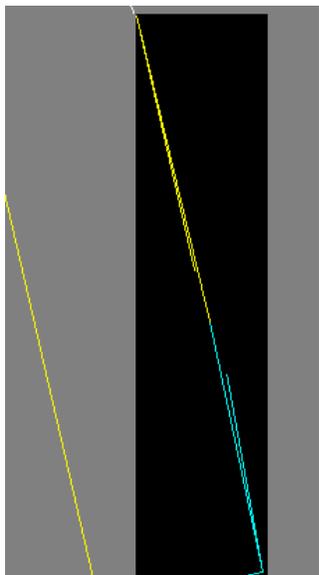
The dialog shows both a before and after image. This is the front edge of the countertop so we will join the two lines with a 3 inch fillet radius. Enter a 3 in the radius box and click on fillet



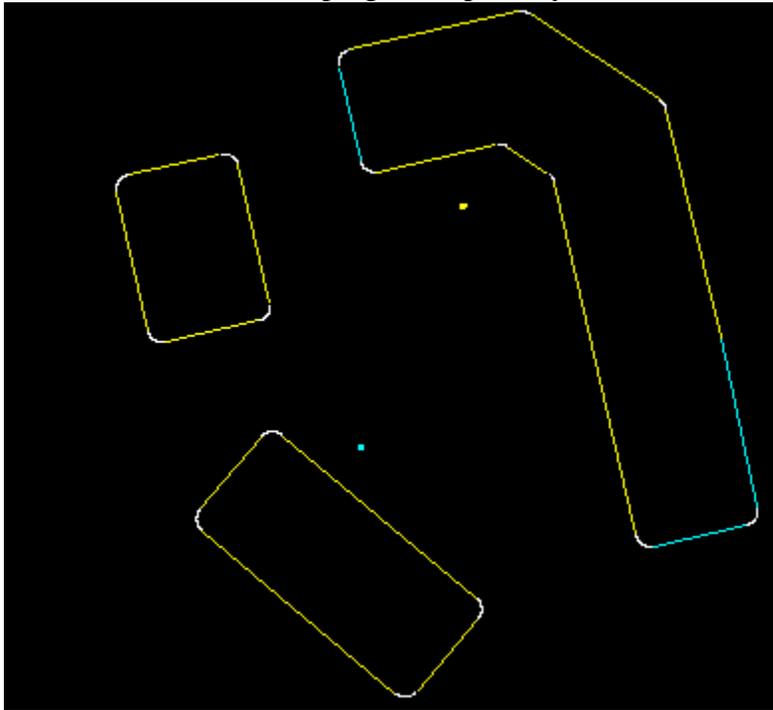
command, The after image then shows both the fillet and the original lines. Next right click to return to drawing screen or select a different join option, or cancel to undo the change. The first image at right show both old and new lines, The 2nd show the drawing window after right clicking. You can use the mouse wheel to zoom in and out to see the context of the change area.



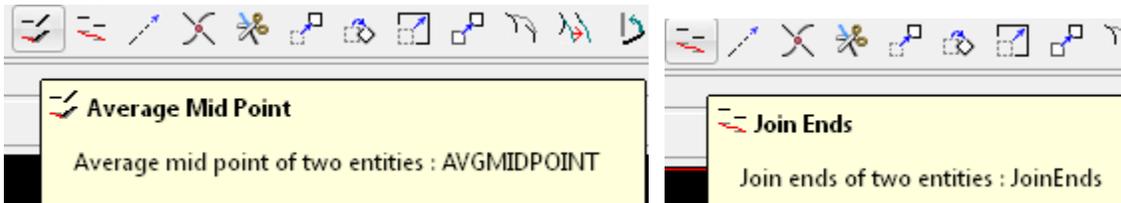
Next repeat the command for each pair of lines that are the same color. Now we pick the two back lines and use the Avg Mid Point command to place a new end point half way between the two points.



After combining each of the pairs of lines around each of the countertop shapes the countertop is ready to send to the tile and print command. Each countertop section should be sent to the tile program separately.



If you prefer to not use the interactive cleanup two new tools have been added to the toolbar.

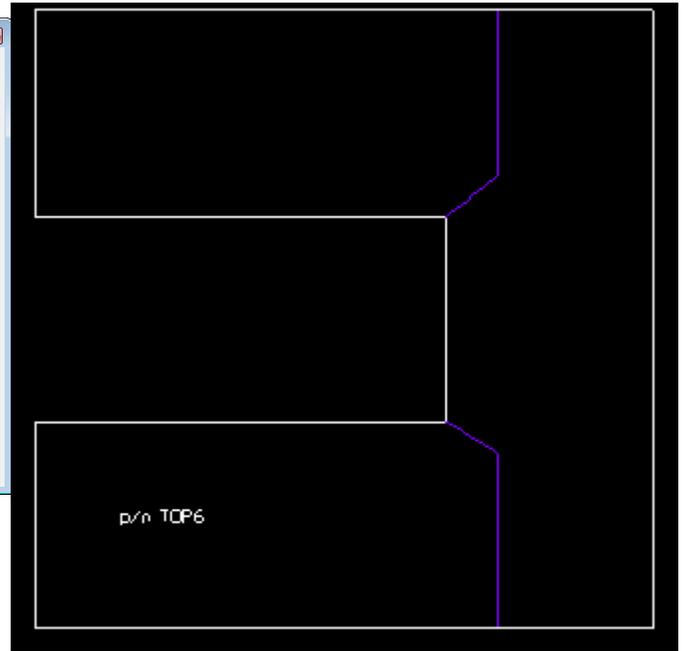
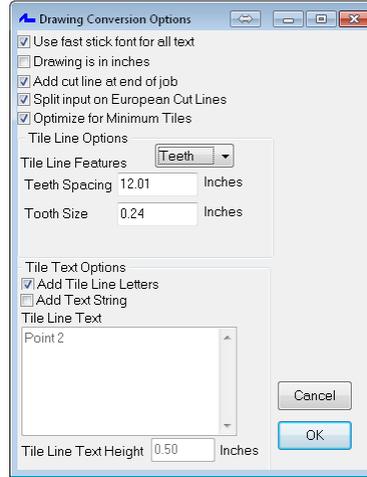


These two new commands allow access to the two new join commands that are in the cleanup interactive dialog.

Manual European Line Command

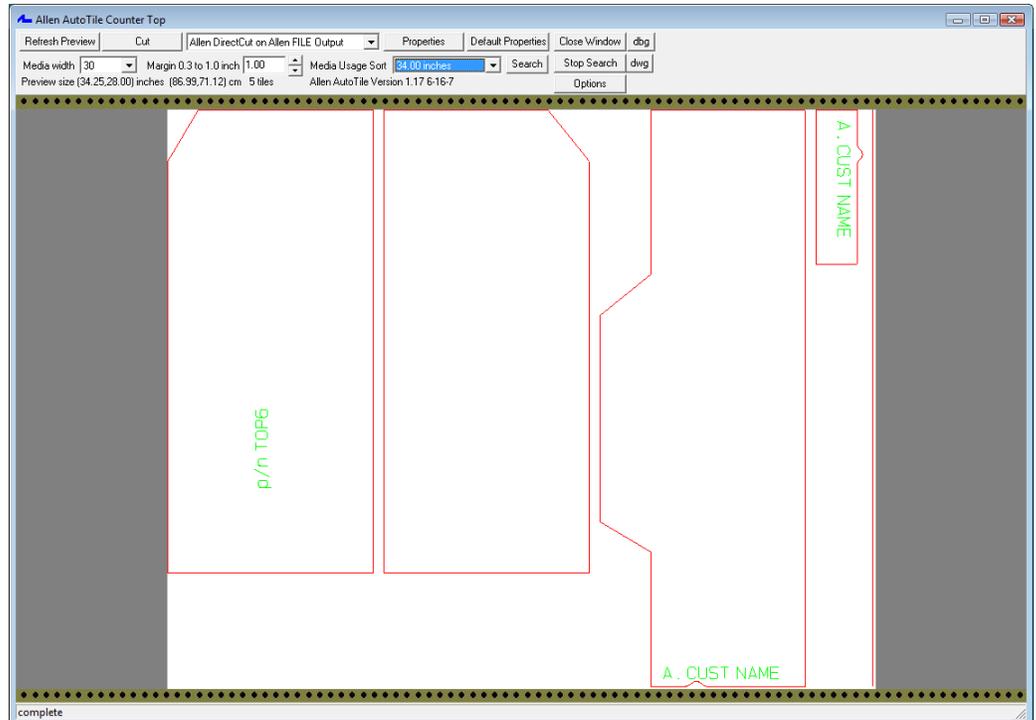
The Draw european line tool

 tells the tile program you want a tile line to appear at the line you draw. Operation of this tool is identical to the use of the Draw Line(s) command. The only difference is that the line is drawn with the european line type in color #190.



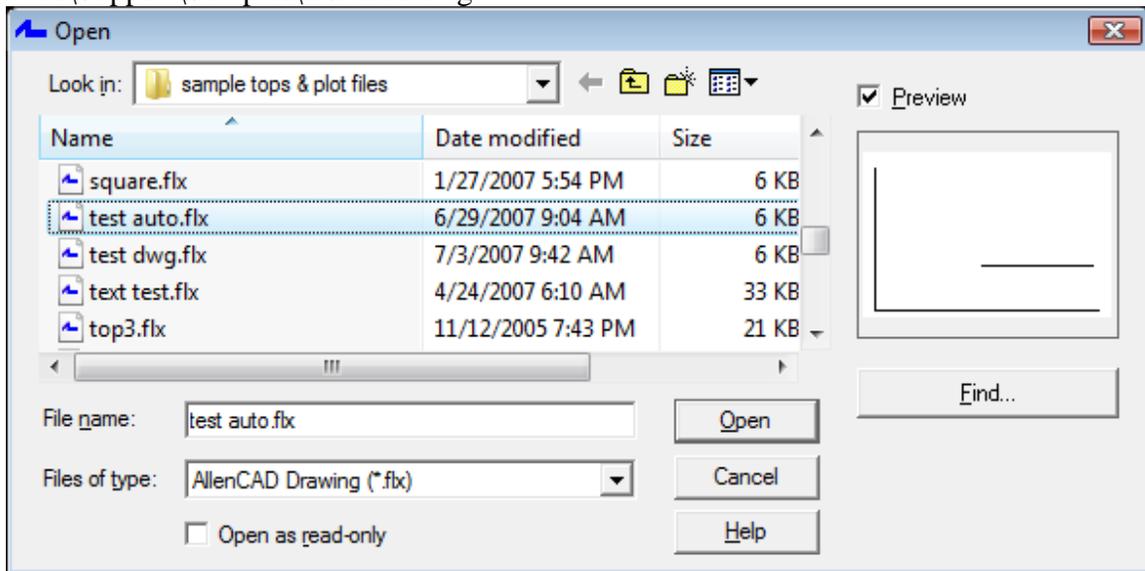
The drawing at right shows a 30" by 30"

countertop with two european lines drawn on the countertop. By selecting added test european lines you can reduce material usage for this countertop from 61 to 34 inches. After clicking on tile and print you can select the checkbox for splitting countertop on european cut lines. The

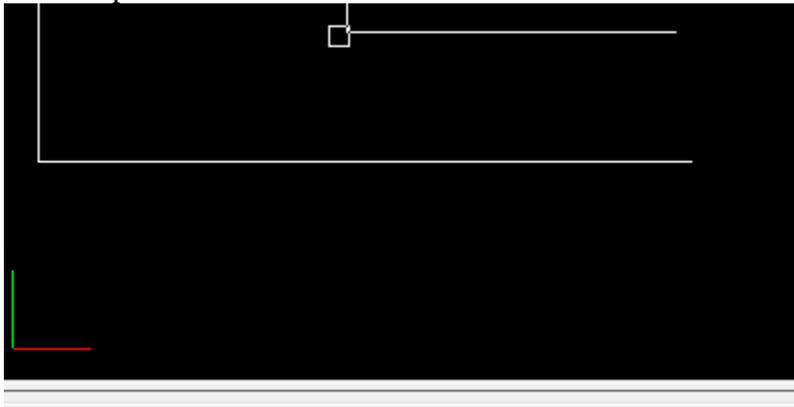


resultant tiling is shown. The example file with these lines drawn is: C:\Program Files (x86)\Allen Datagraph\AllenCAD 8.0\Default Files\Support\Samples\top6 european.dwg.

Automatic european cut lines are also possible using the  tool. To demonstrate the command open file C:\Program Files (x86)\Allen Datagraph\AllenCAD 8.0\Default Files\Support\Samples\test auto.dwg.



Select the auto european line tool. Then select the intersection where you want to start the European line.



```

from point:
to point: *** Cancel ***

User break
EUROPEANAUTO
select intersection to start line for European Auto Line

```

Then select the back edge of the countertop.

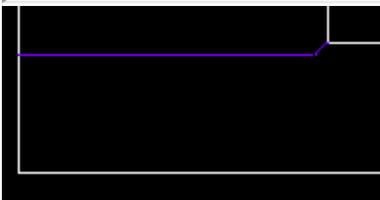


To point: *** Cancel ***

```
User break  
> EUROPEANAUTO  
Select intersection to start line for European Auto Line  
Select back of counter for end of line for European Auto Line
```

Then:

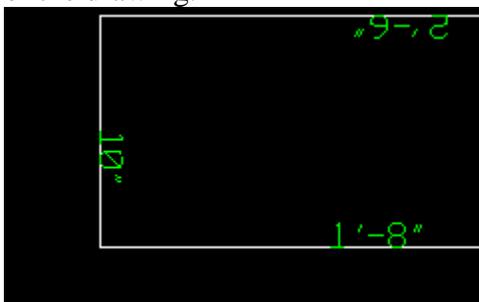
```
found 2 objects for cleanup  
Enter offset distance (default : 2 ):
```



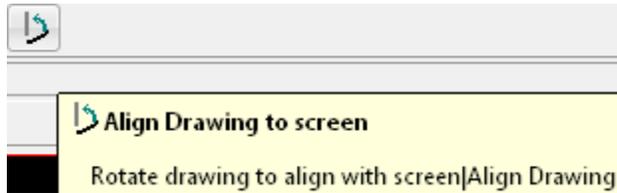
A European line is then drawn from the intersection to the selected back edge of the countertop.

AllenAutoDim

Clicking on the  icon the program will toggle on/off dimension text along each line of the drawing.

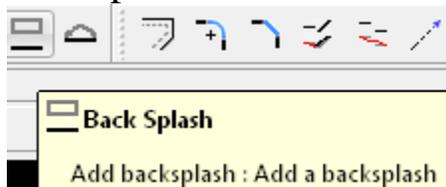


Build 11 Additional Features



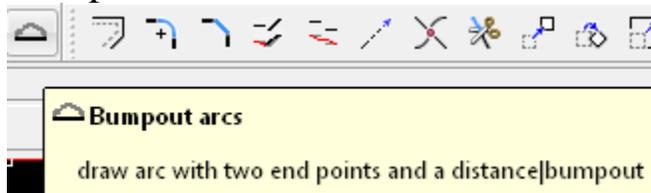
Clicking on the  icon allows selected a line on the drawing which you want to align the drawing with the screen. The program finds the angle of the line you select and then rotates the entire drawing so that the selected line is vertical on the screen.

Backsplash



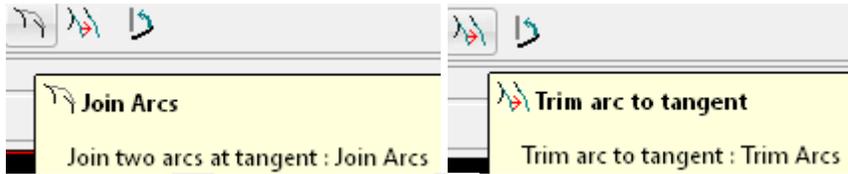
Clicking on the  icon draws a rectangle offset from a line to create a backsplash rectangle. To create a backsplash you need a line on your drawing. Select the two end points of the line and then the side of the line you want the backsplash drawn. A dialog is then presented with three options. Height is the size of the backsplash created as it fits from top to bottom on the wall behind countertop. Offset is the space between countertop on drawing and the backsplash rectangle. This would normally be the width of the saw blade. Full Height adds a “full height backsplash” text string inside rectangle.

Bumpout

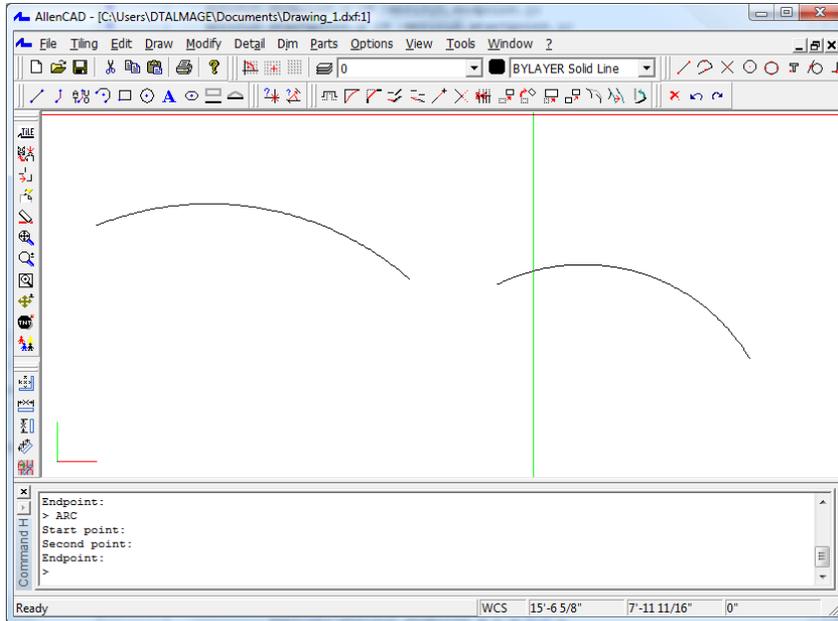


Clicking on the  icon allows drawing an arc given two endpoints and a height. After clicking on the bumpout icon a dialog is presented to ask for the height of the arc at the mid point of the selected line. After clicking on OK select the two ends of the line you want to add the bumpout to and then which side of the line you wish to draw the arc.

Joinarcs and Trimarcs



The joinarcs  and the trimarcs  command are used to join two arcs such that then new arc joins at a tangent point of the two selected arcs. Start with two arcs.

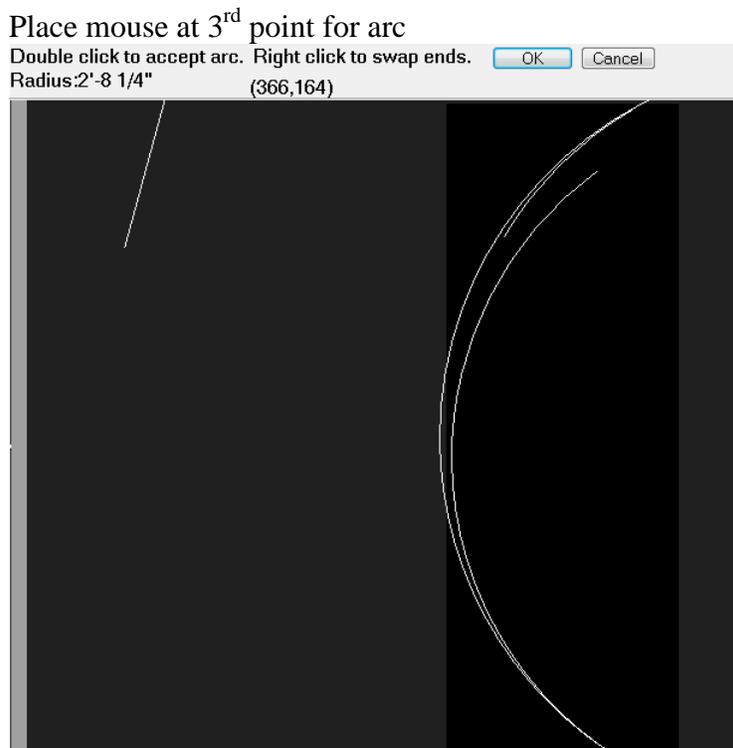
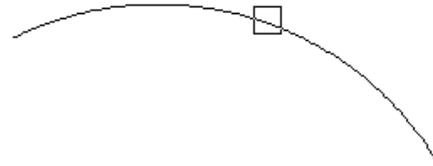


Click on joinarcs icon 

Select point on arc 1 where you think you want to join the arcs together



Repeat for arc 2

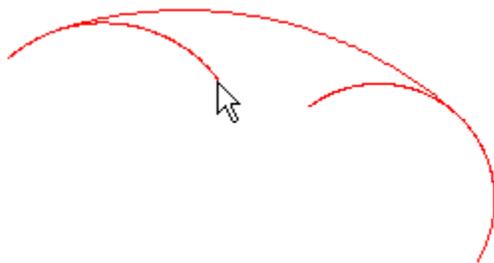


On tablet machine remove stylus and click on ok button
On machine with mouse double click to accept arc.
If no arc drawn is acceptable, click on cancel button.

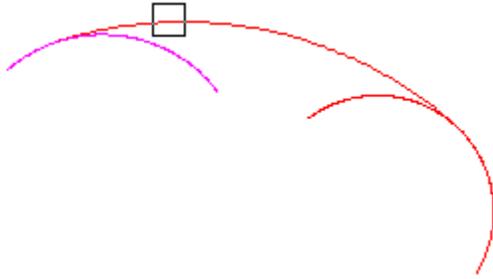
Now we trim the arcs

Select trimarcs icon 

1st select the arc to trim



Then select the end point of the new arc.



Repeat for 2nd trim

Click on Done



Arcs are now joined.

Scaleinch / Scalemm

The menu modify -> scaleinch and modify -> scalemm allow converting a drawing from inches to mm or visa versa. Scaleinch command converts drawing by scaling entire drawing by 1/25.4. Scalemm command converts a drawing by scaling entire drawing by 25.4.

Zerozero

The menu modify -> zero zero command allows moving the entire drawing such that the new origin of the drawing is at the point selected.

Appendix

Combine option settings for different combine tools

production combine tool settings

Combine Drawing Target Setup			
Target Diameter			
0.375			
	X coordinate	Y coordinate	Distance Point1 - Point 2
Point 1	0	0	20
			Distance Point 2 - Point 3
Point 2	20	0	10
			Distance Point 3 - Point 1
Point 3	14	8	16.124515496597098
Auto Dimension Text Size		1	Cancel OK