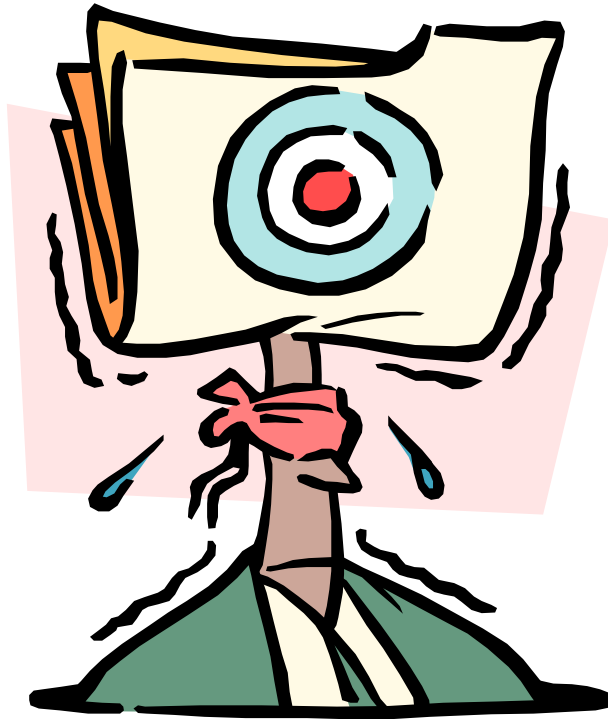
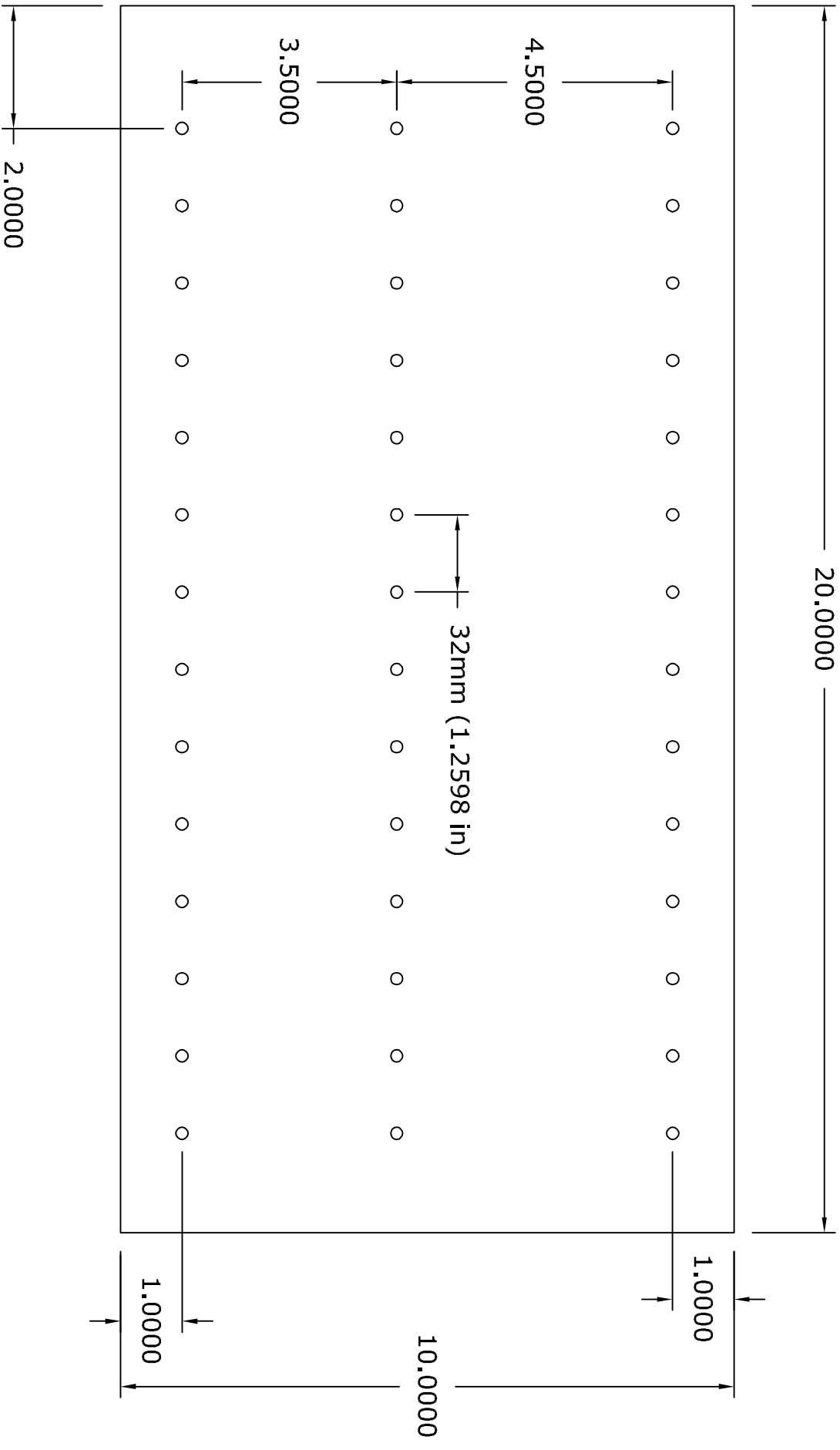
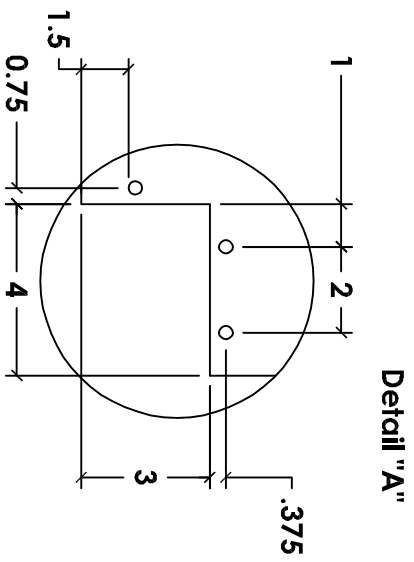
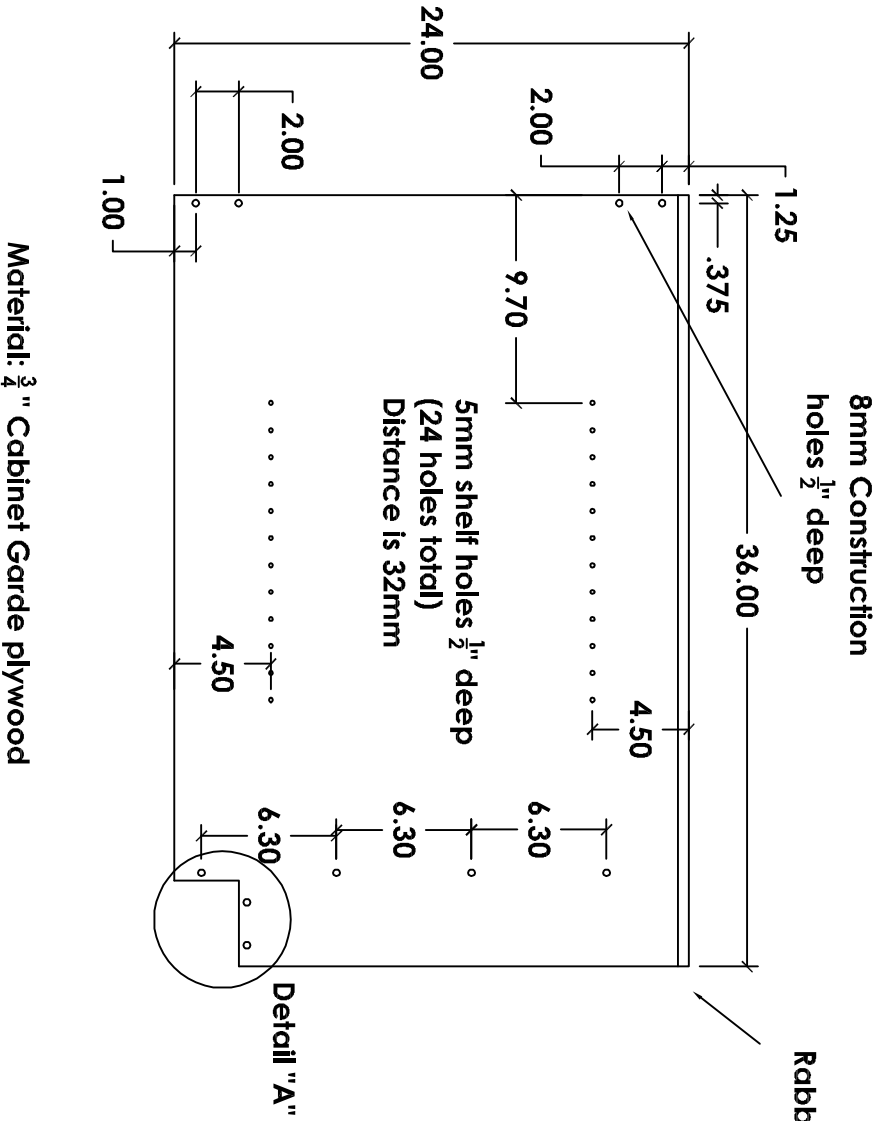


Course Exercises

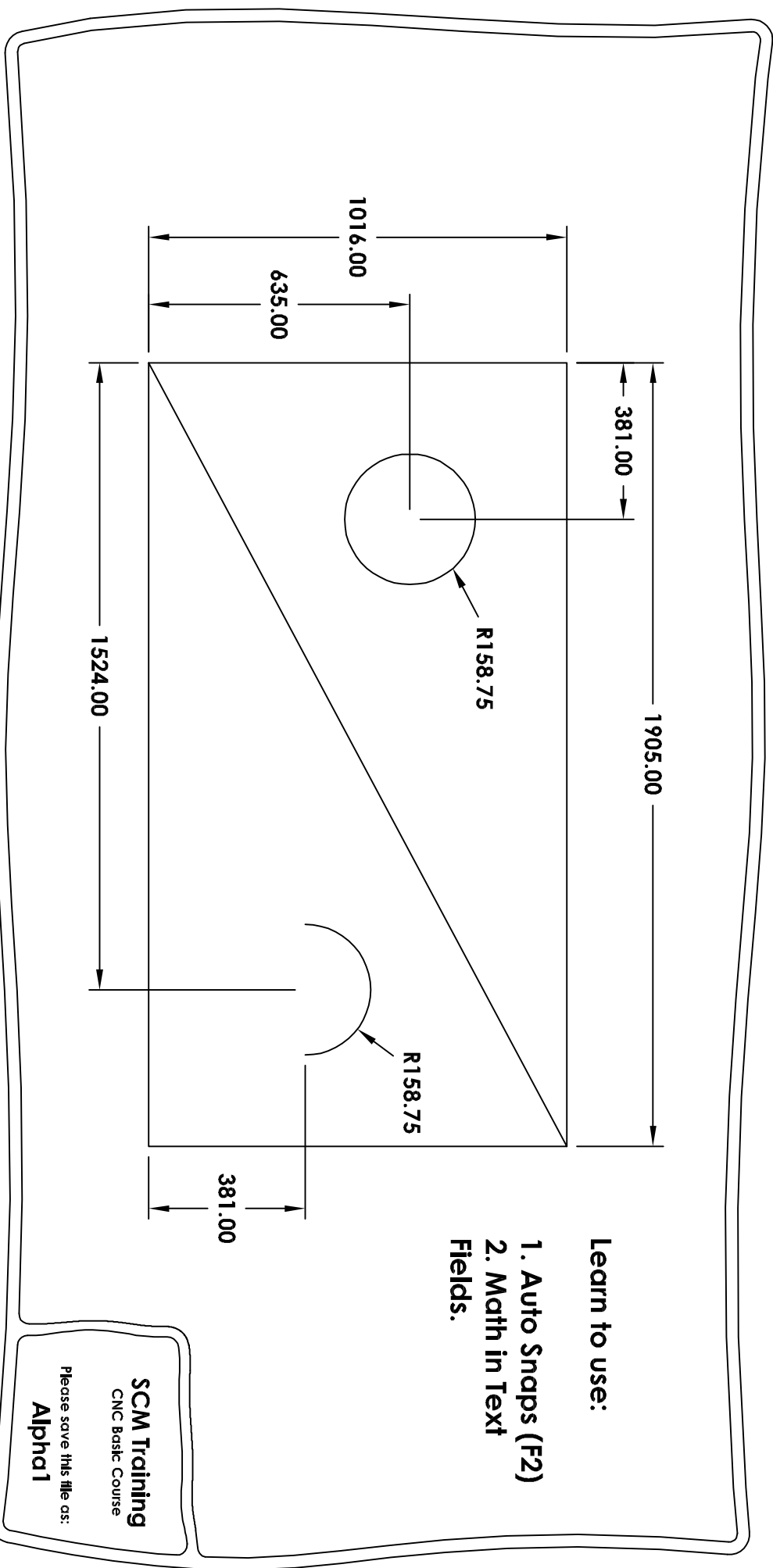






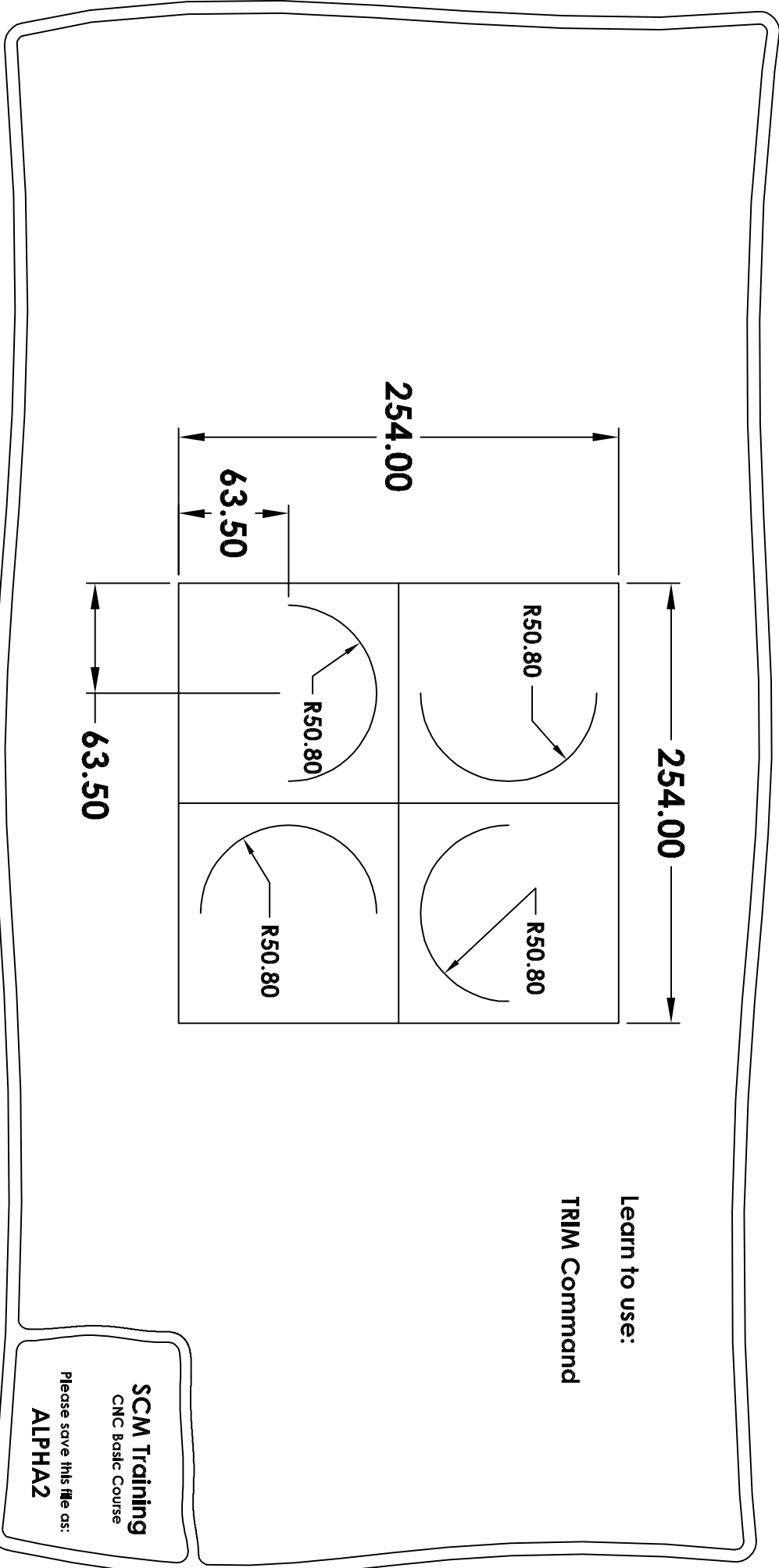
Material: 3/4" Cabinet Grade plywood

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CABSIDE



- Learn to use:
1. Auto Snaps (F2)
 2. Math in Text Fields.

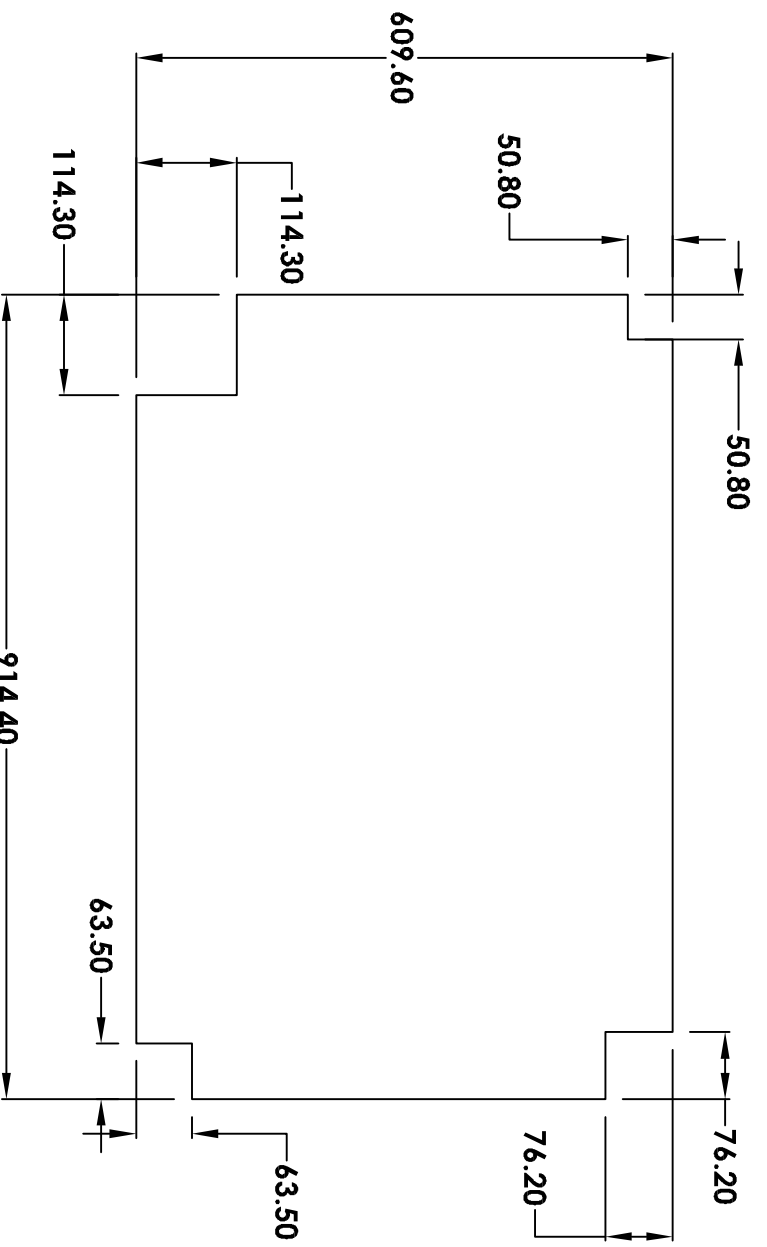
SCM Training
 CNC Basic Course
 Please save this file as:
Alpha1



Learn to use:

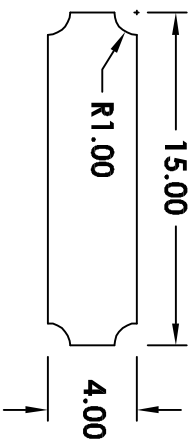
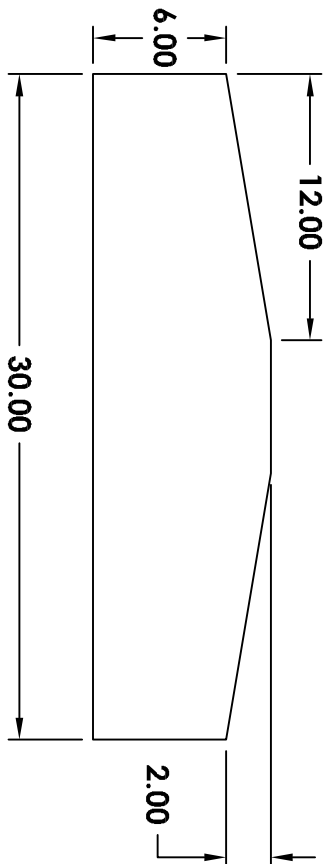
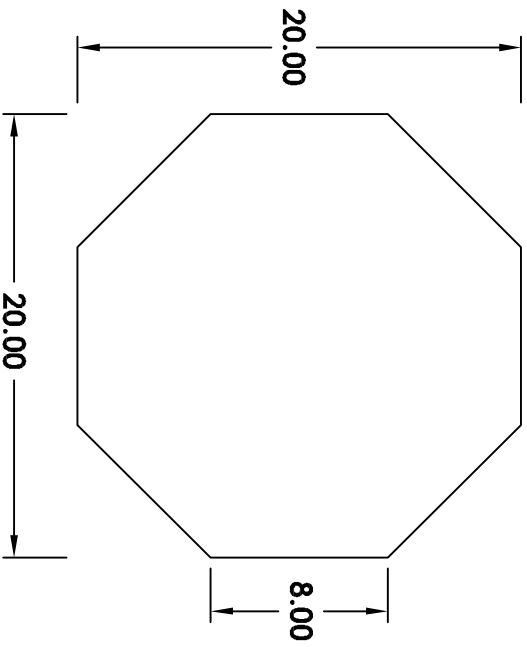
TRIM Command

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ALPHA2



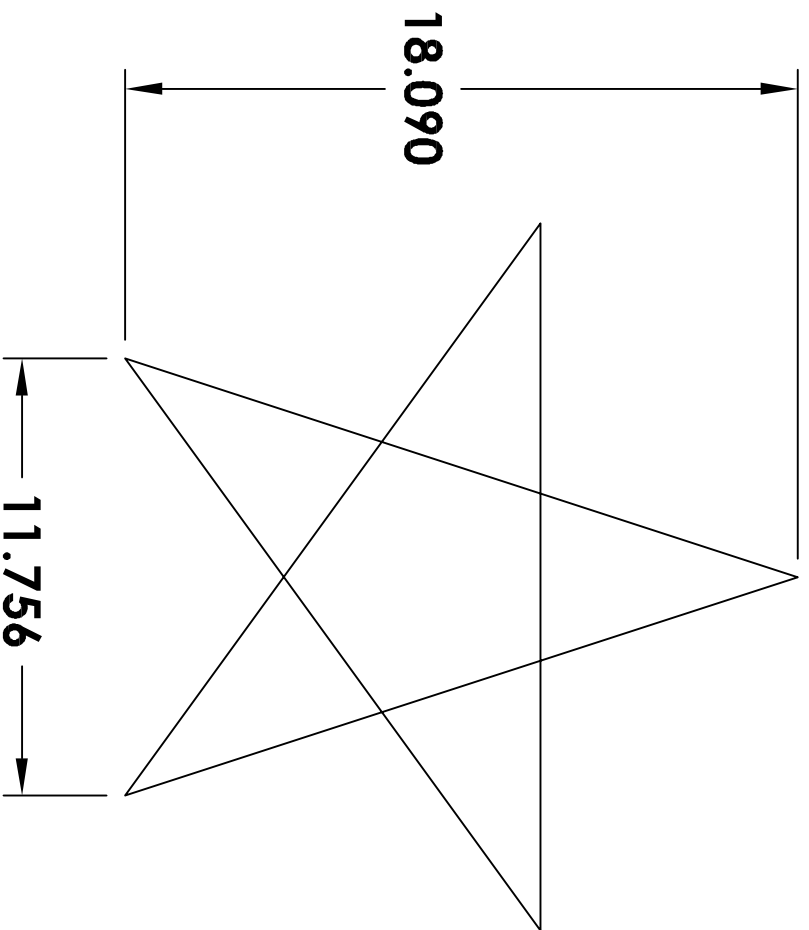
- Learn to use:
1. OFFSET Command
 2. Multiple Trim

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ALPHA3



Tip: You can generate all 3 of these objects by simply using Offset and Trim!

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ALPHA4, 5 & 6



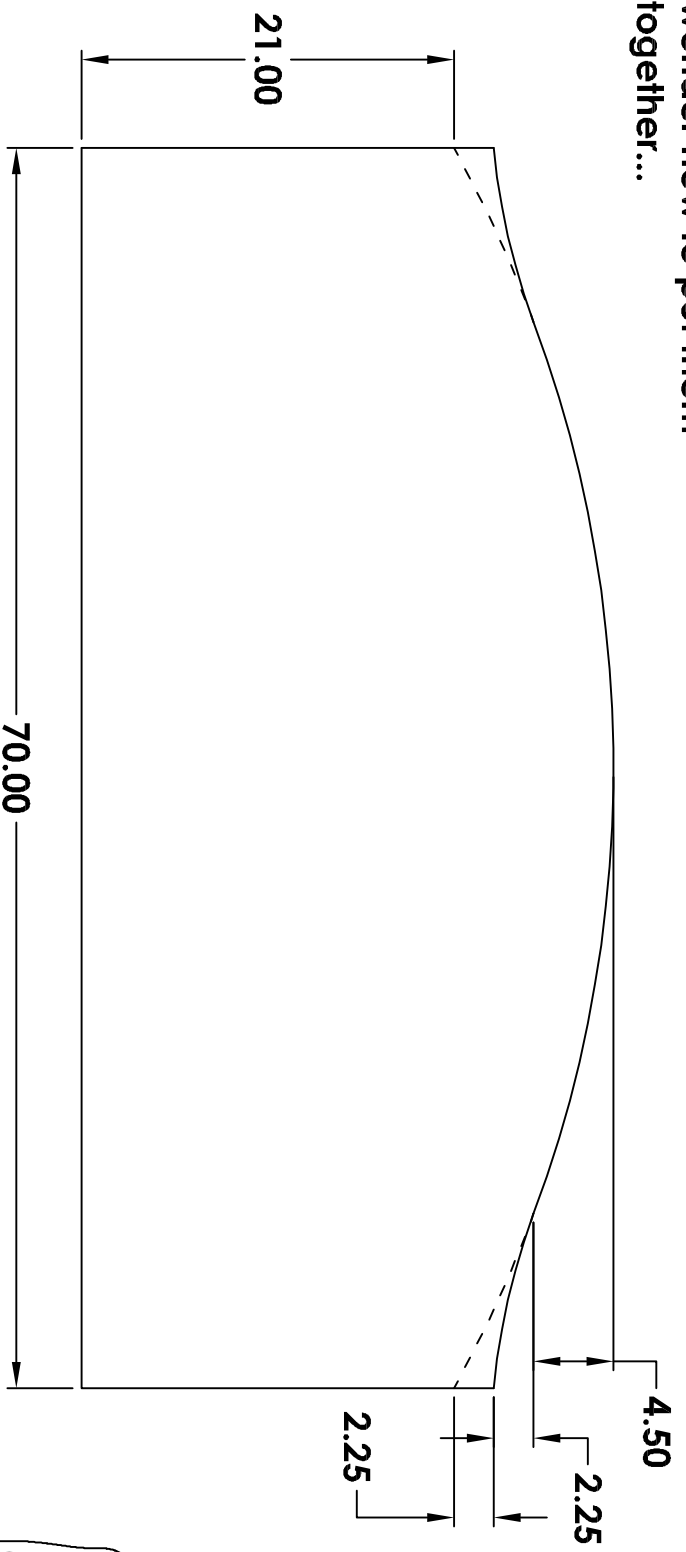
Tip:

There are many ways to make this star, some more complex than others.

If all fails try Googling "Vitruvian Man"

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ALPHA7

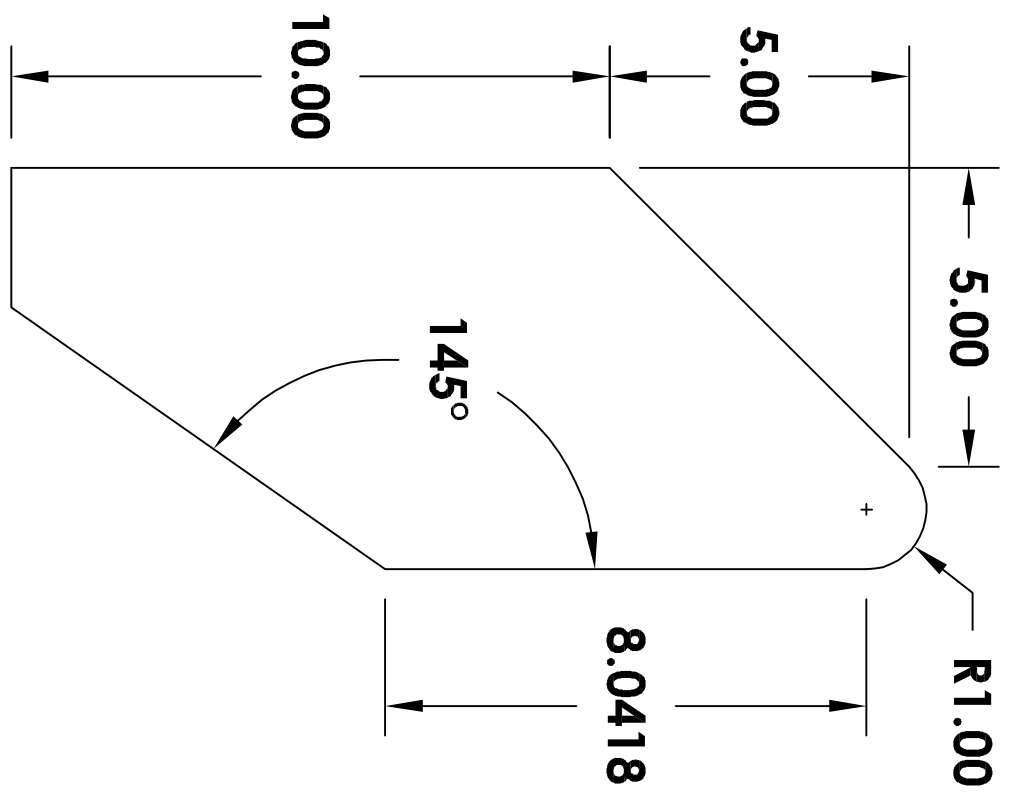
Ahi Arches and Tangency... I wonder how to put them together...



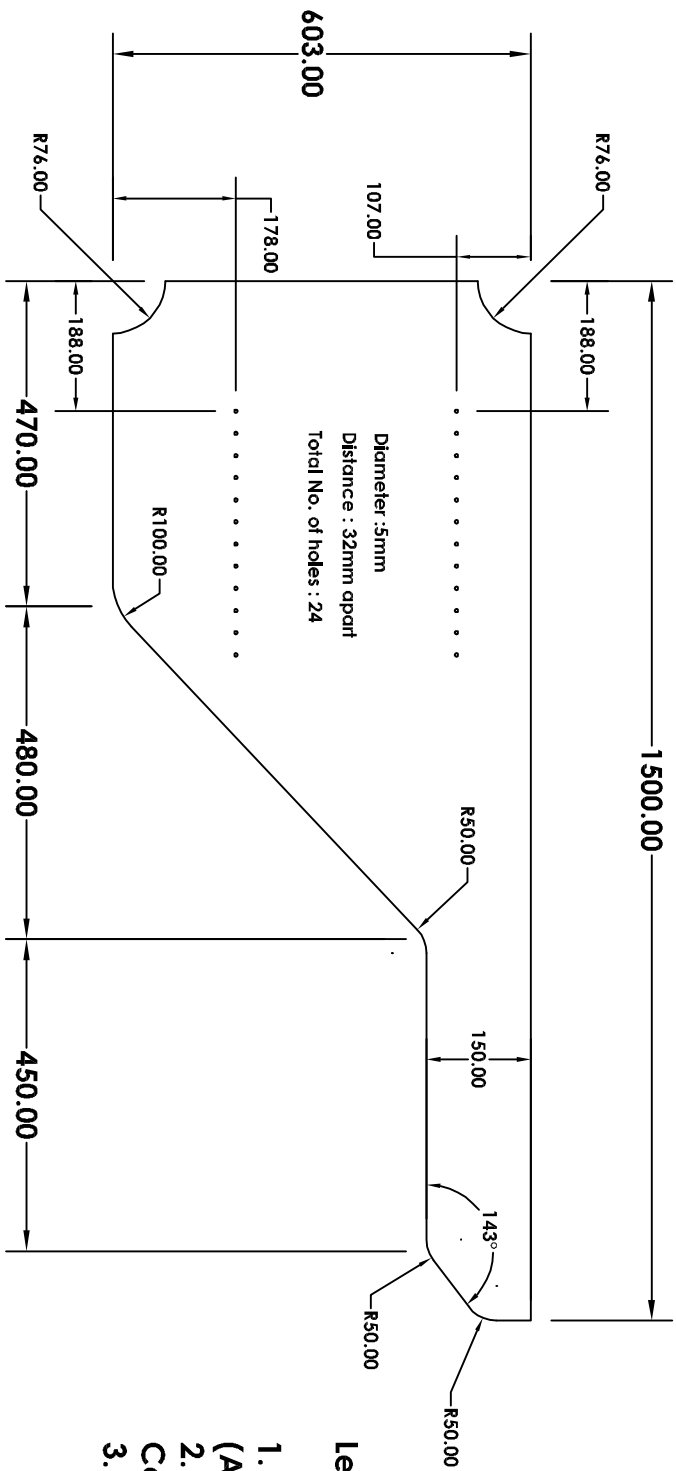
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ALPHA8

This one is a lot harder than it looks.

Start with a vertical line 10" tall (from 0,0 to 0,10) and follow that with a line that spans 5"x5" (from 0,10 to 5,15).



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ALPHA9

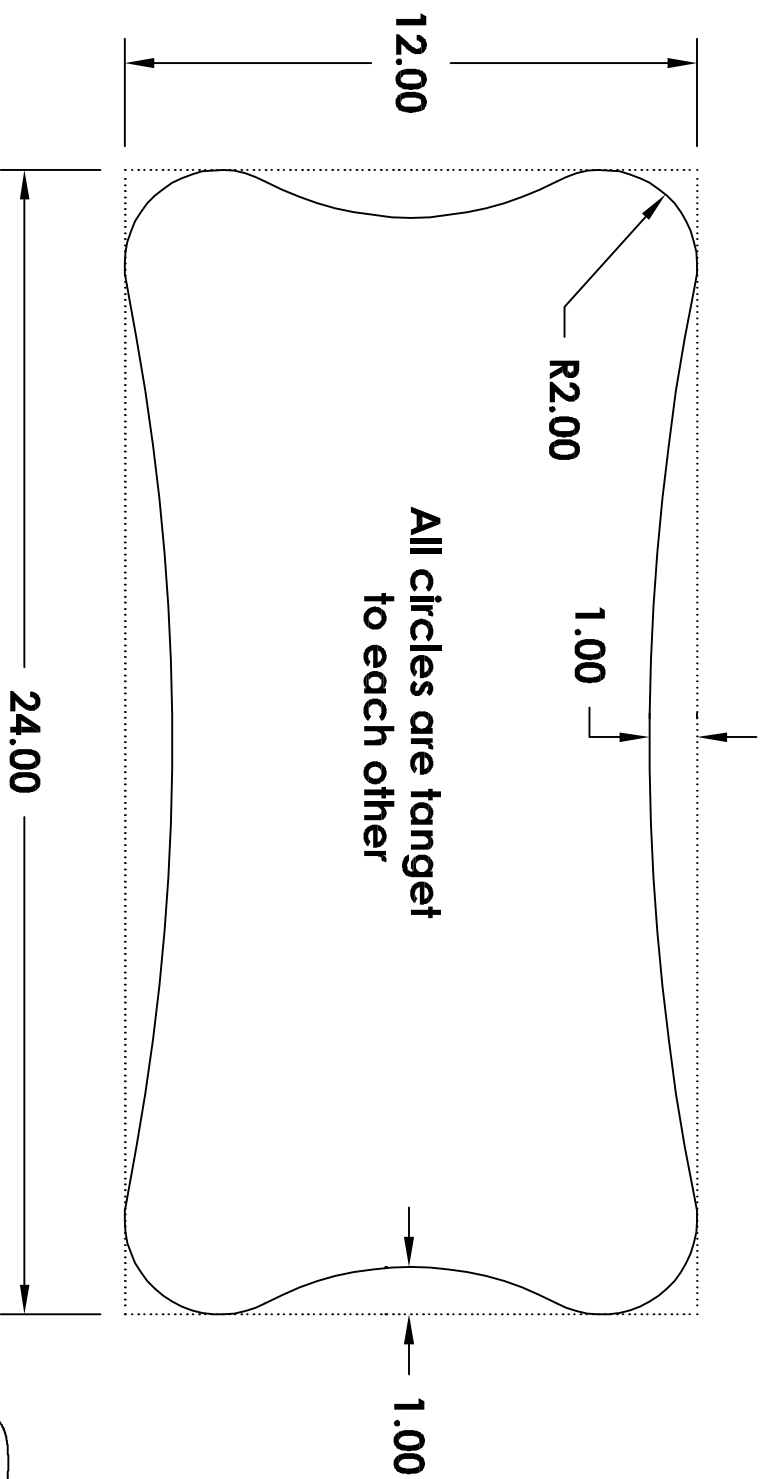


All distances to intersections of lines

- Learn to Use:
1. Fillet Command (All tangent Arcs)
 2. Array Command (Holes)
 3. Rotate

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ALPHA10

Tip: Explore the Tangent Circles Section!



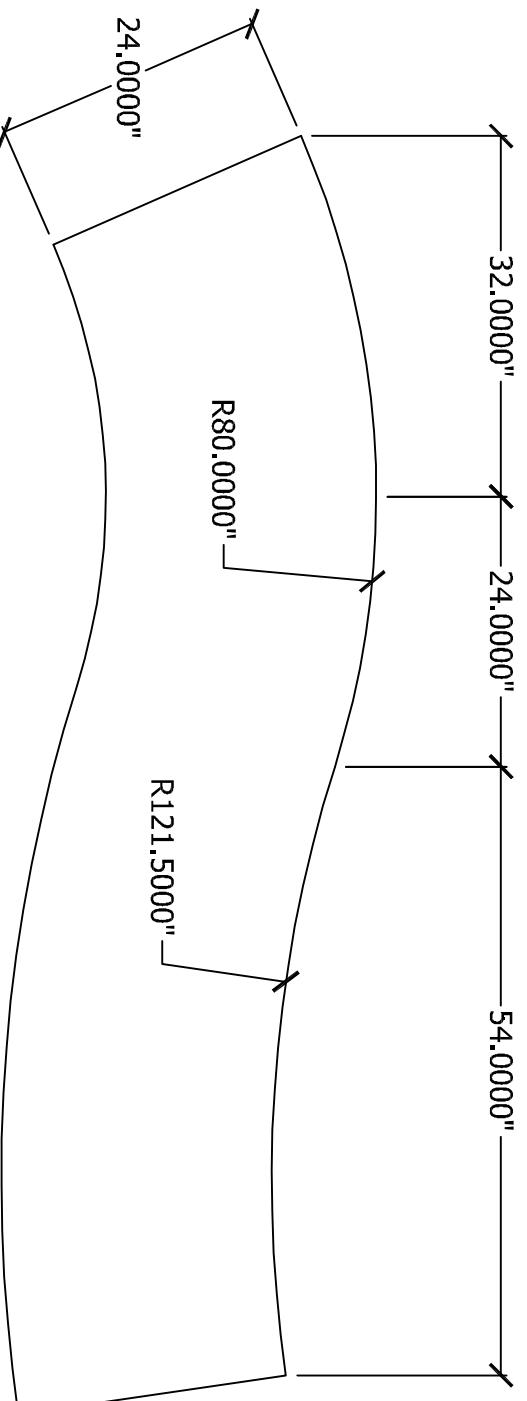
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ALPHA11

Reception Desk/Nurse Station.

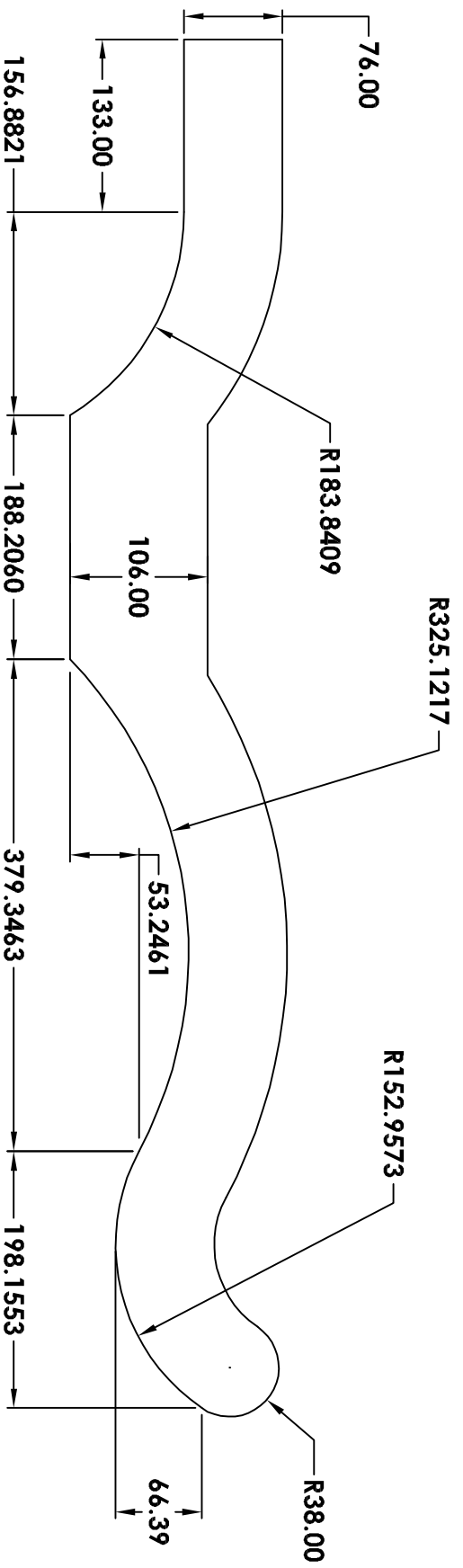
Again, Tangent Arcs seem to be a common thing in Fabrication these days.
I suggest starting with a circle of 80" in RADIUS.

Reinforce the use of:

1. ORTHO
2. OFFSET
3. TRIM

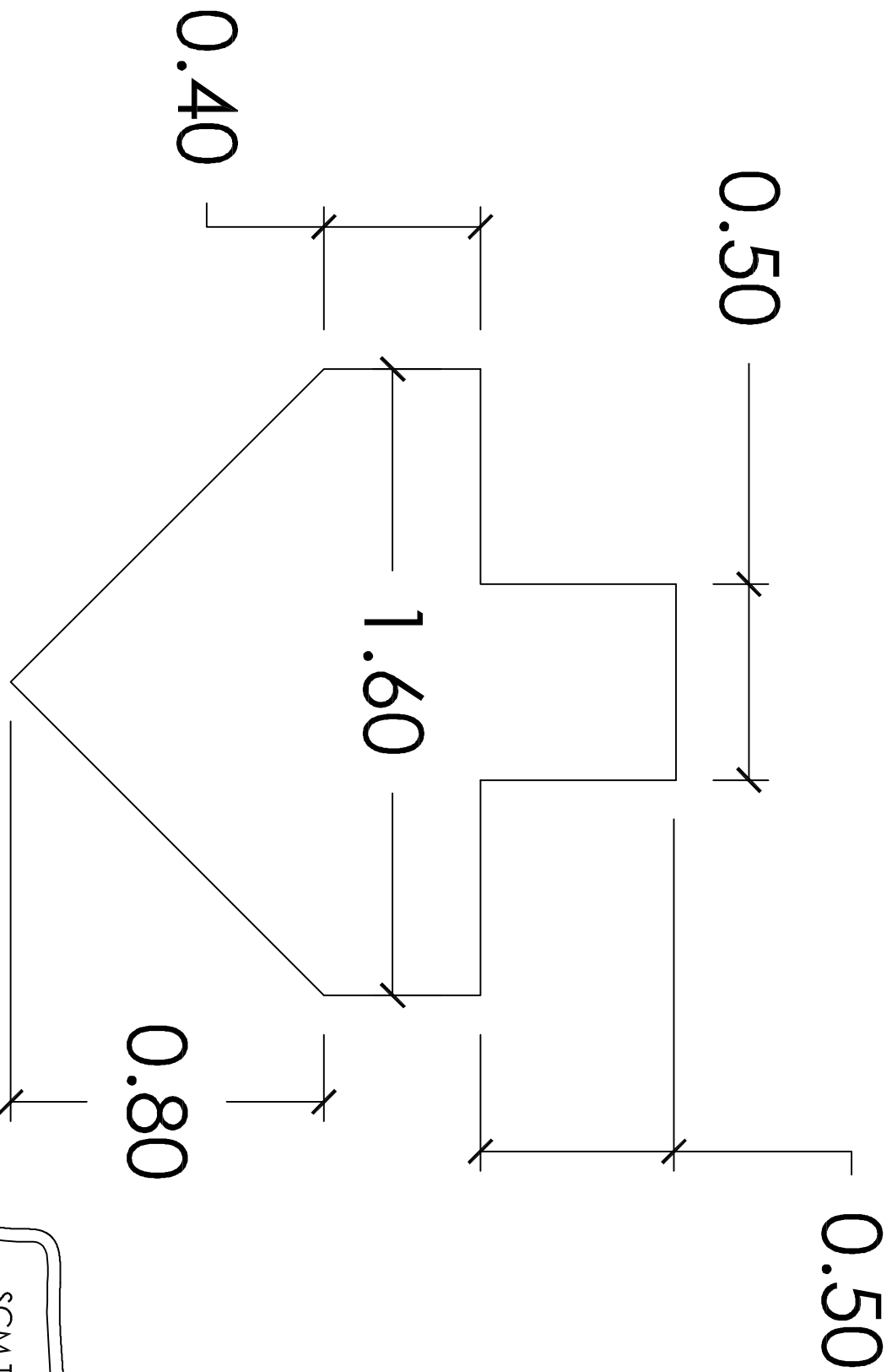


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Please save this file as:
DESK

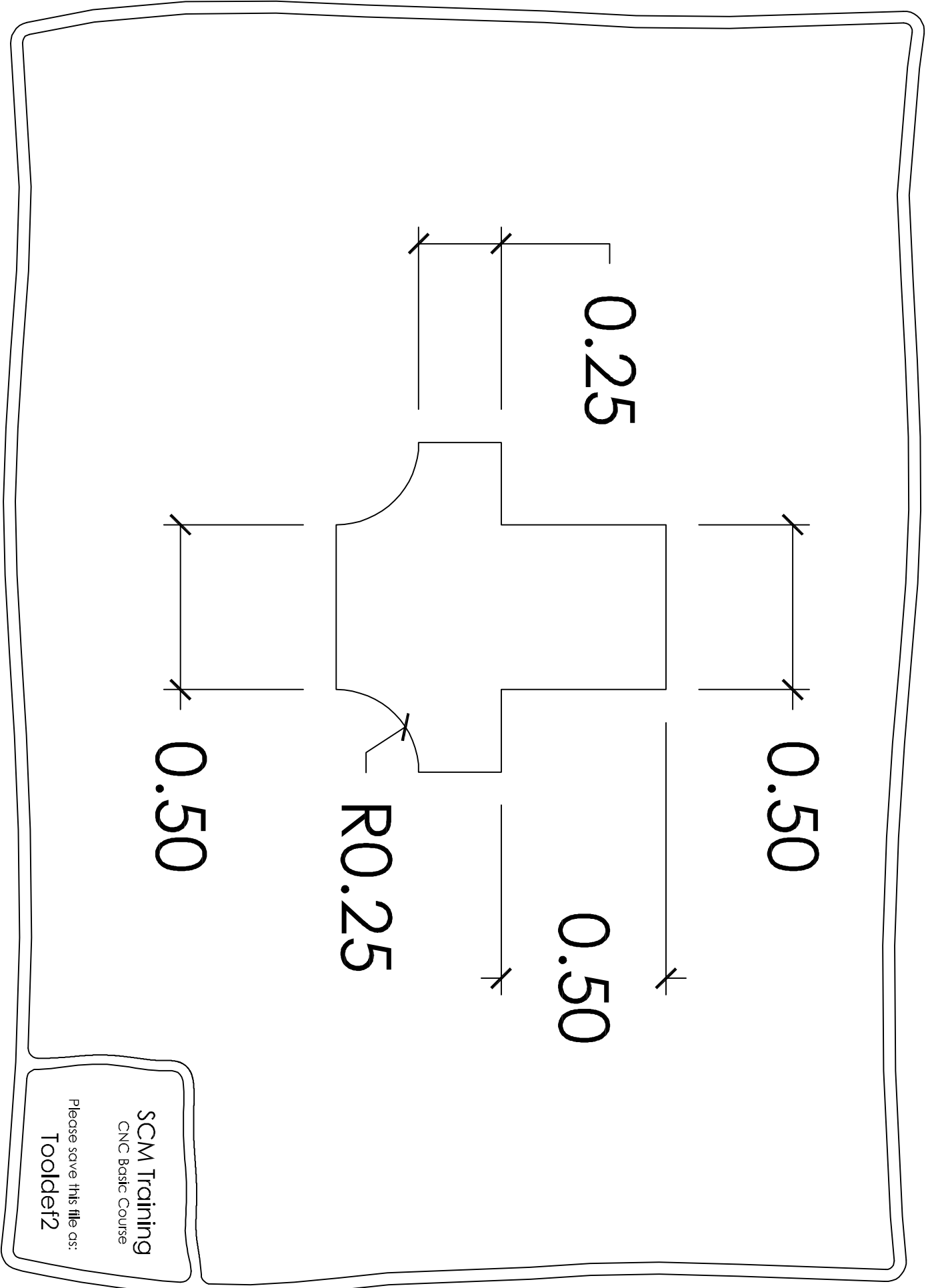


If you got this far, you are on your own! This is the Hardest exercise in the book.
 Finish this and you should be able to draw anything!

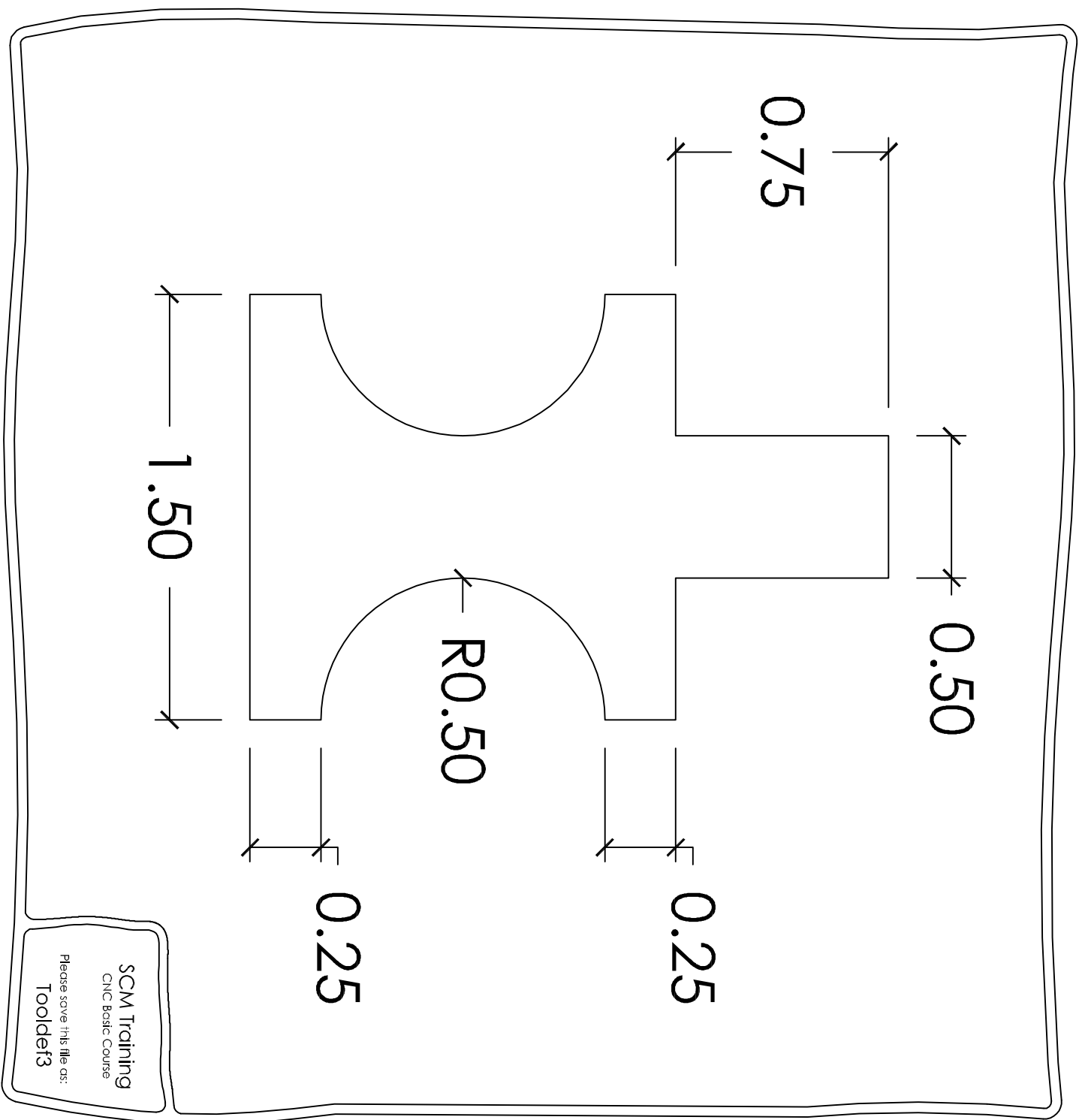
Tip: This pesky Tangent Circles are EVERYWHERE. Offset?



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Tooldef1



SCM Training
CNC Basic Course
Please save this file as:
Tooldef2



SCM Training
CNC Basic Course
Please save this file as:
Tooldef3