# Unit 2 task B

My first assignment was to make an Orthographic drawing of a bracket in an application called 2D Design, I drew out three different views of the object, first being the top view then the side and last the front view. Drawing the bracket in this way is efficient as it allows for a simple understanding of the object being drawn and shows all demotions of the object. (All measurements done in centimeters)
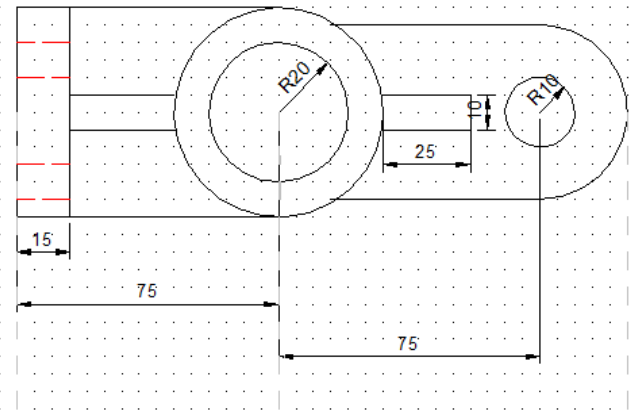

I started with the top view, starting with this view allows for the other two sides to be draw with ease as it allows for you to trace over the other drawings from the top view which allows you to see if the drawing is aligned correctly and helps eliminated mistakes within the drawings.
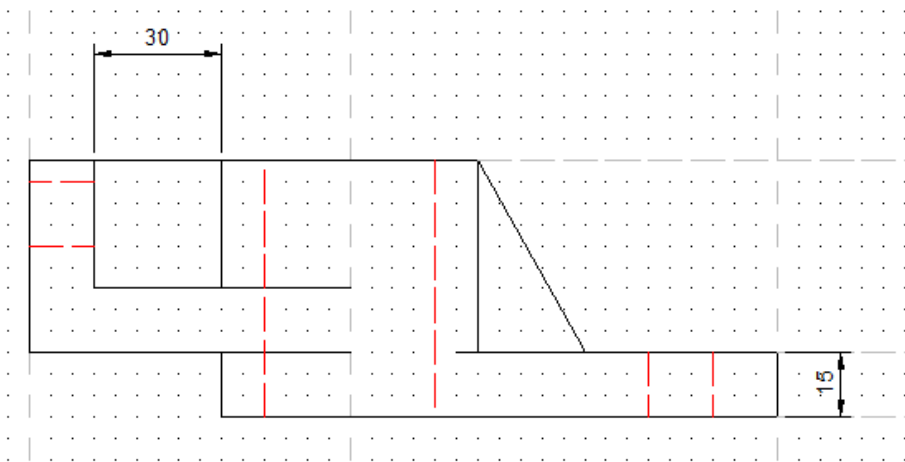

The next view I did was the side view, doing this process was very short and made easy as I was able to trace down from the top viewing so I was able to draw the basic outline of the side view very quickly. Drawing the hidden details lines also was made easy using the reference of the top view.
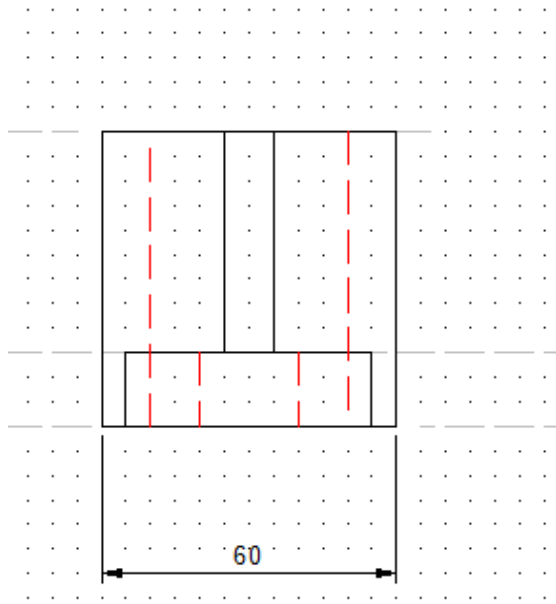
The last view I did was the front view it was the simplest and fastest to draw.
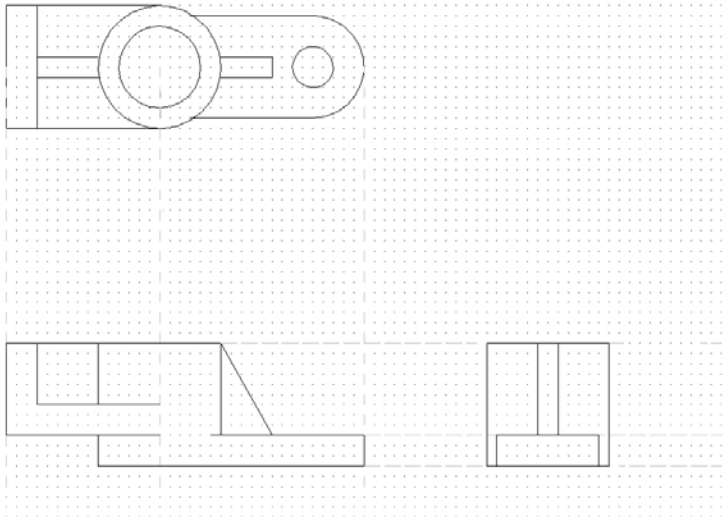

There was three different layers I used within this drawing, using layers is helpful as it will allow for a better understanding of the object as it allows people to choose how much detail they want to see the object in. the first being the basic layer which was just the simple view of the bracket with no hidden detail lines or measurements.
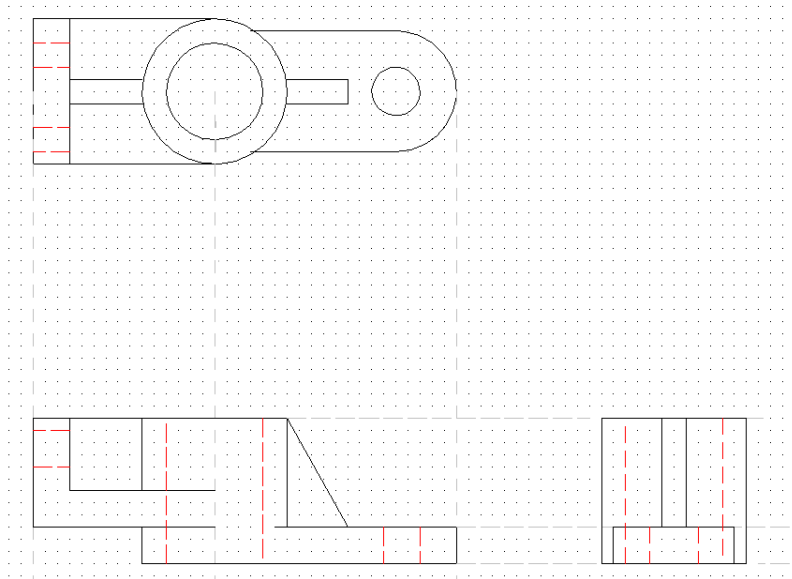
The next layer has just got added hidden detail lines which allows for a better understanding of where the holes and other details being hidden from the current view point are in reference to top, side or front view.
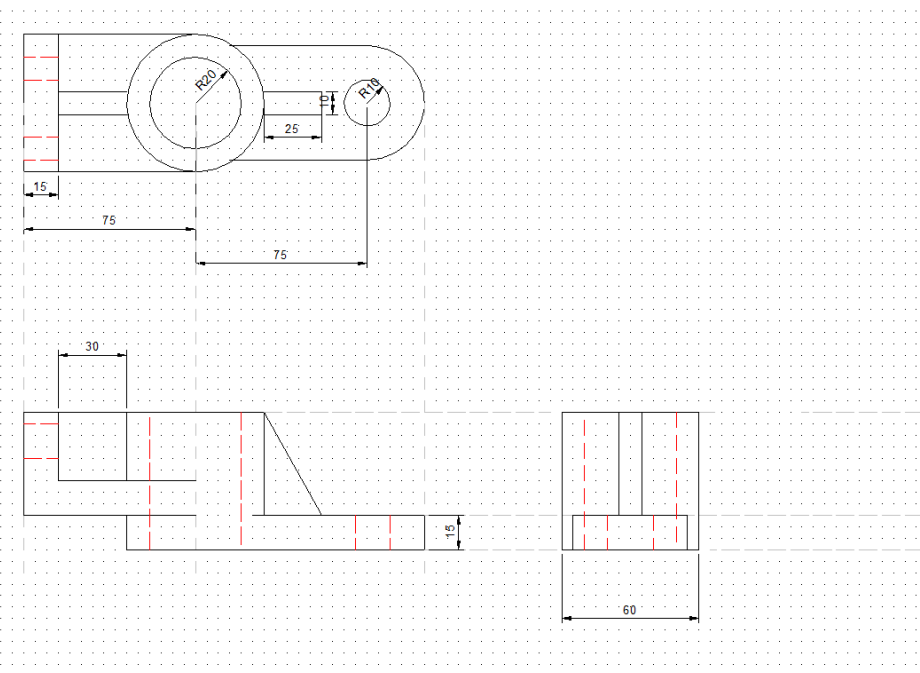
The last layer had added measurements to it, note not all parts have measurements only the parts needed to have an understanding of the measurements meaning the same measurement will not be repeated multiple times.
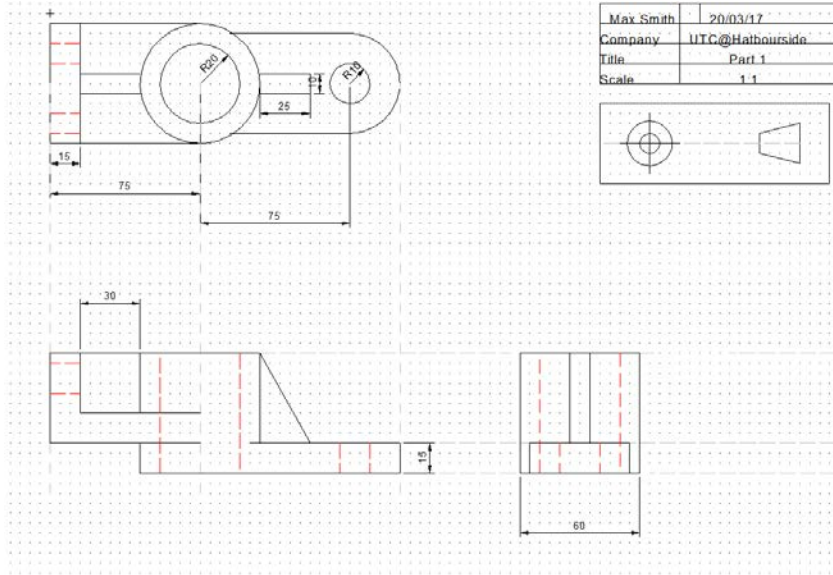
finished up by adding a drawing specification this shows the date, the scale and other important useful information, I also added the center lines to the drawing.
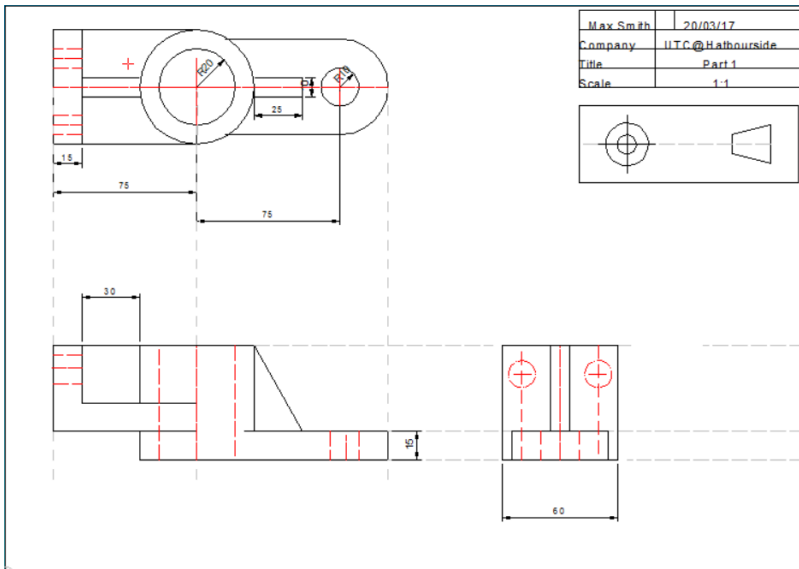
The next assignment I did was to create a circuit for fire alarm, the components I used were seven resistors, one thermistor, two capacitors, integrated circuit chip, Two NPN transistors, One PNP transistor and a loud speaker.